CD16$^+$ monocytes give rise to CD103+RALDH2+TCF4+ dendritic cells with unique transcriptional and immunological features

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Running title: CD16$^+$ monocyte-derived dendritic cell transcriptome

Supplemental Figure Legends

Supplemental Figure 1: Purity of FACS isolated monocyte subsets. Total monocytes were isolated by negative selection using magnetic beads (Miltenyi). Cells were stained with a cocktail of Abs against lineage markers (CD1c, CD3, CD8, CD19, and CD56) and CD16 Abs. Viable lineage$^-$ CD16$^+$ and CD16$^-$ monocytes were isolated by flow cytometry under low sorting pressure. Shown are the expressions of CD16 on total monocytes before sort **(A)** and the purity of CD16$^+$ and CD16$^-$ monocytes after sort **(B)**. Results are from one donor, representative of results obtained with cells from >5 different donors.

Supplemental Figure 2: Both CD16$^+$ and CD16$^-$ monocytes acquire classical immature and mature DC markers. Peripheral blood CD16$^+$ and CD16$^-$ monocytes were differentiated into immature MDDC and then into mature MDDC upon exposure to LPS for 48h. Shown is the expression of CD14, CD1a, CD1c, DC-SIGN, CD83 and CCR7 on **(A)** immature MDDC and **(B)** mature MDDC. **(C)** The morphology of immature CD16$^+$ and CD16$^-$ MDDC was visualized (40X magnification) by confocal microscopy upon staining with CD1a (DC marker), phalloidin (actin dye), and DAPI (nuclear dye). Results in **A-C** are from one donor representative of results generated with cells from two different donors.

Supplemental Figure 3: Transcriptional differences between CD16$^+$ *versus* CD16$^-$ MDDC. CD16$^+$ and CD16$^-$ MDDC were exposed to media, LPS or HIV for 24h. RNA was extracted and a genome-wide transcriptional analysis was performed using the Affymetrix technology as described in Figure 1A. Shown are the number of genes differentially expressed in CD16$^+$ *versus* CD16$^-$ MDDC upon exposure to media, LPS or HIV identified based on p-values and Benjamini Hochberg

(BH) p-values (or false discovery rate, FDR, adjusted p-values). Results were generated with matched $CD16^+$ and $CD16^-$ MDDC from five different subjects.

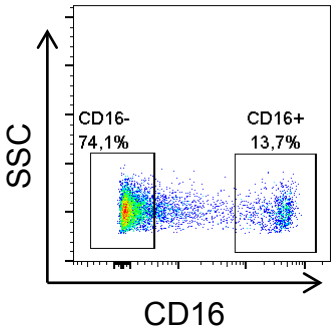
Supplemental Figure 4: Differential gene expression in immature $CD16^+$ and $CD16^-$ MDDC. Transcriptional profiling was performed as described in Figure 1A. Gene Set Variation Analysis (GSVA) was used to identify top canonical pathways (C2) **(A)** and biological processes (C5) **(B)** differentially expressed in immature $CD16^+$ *versus* $CD16^-$ MDDC. Results were generated with cells from five different donors indicated with different color codes.

Supplemental Figure 5: Differential gene expression in $CD16^+$ and $CD16^-$ MDDC in response to LPS. Transcriptional profiling was performed as described in Figure 1A with matched MDDC subsets exposed to media (immature) or LPS (mature) for 24h. **(A-B)** Shown are top transcripts upregulated by LPS in $CD16^+$ and $CD16^-$ MDDC (p-values <0.05 and FC cut-off of 1.3). Heatmap cells are scaled by the expression level z-scores for each probe individually. Results were generated with cells from five different donors identified with different color codes.

Supplemental Figure 6: Differential gene expression in $CD16^+$ and $CD16^-$ MDDC in response to HIV. Transcriptional profiling was performed as described in Figure 1A with matched MDDC subsets exposed to media (immature) or HIV for 24h. **(A-B)** Shown are top transcripts upregulated by HIV in $CD16^+$ and $CD16^-$ MDDC, identified based on a fold change cut-off of 1.3 and adjusted p-values (adj. p) <0.05. Heatmap cells are scaled by the expression level z-scores for each probe individually. Results were generated with cells from five different donors identified with different color codes.

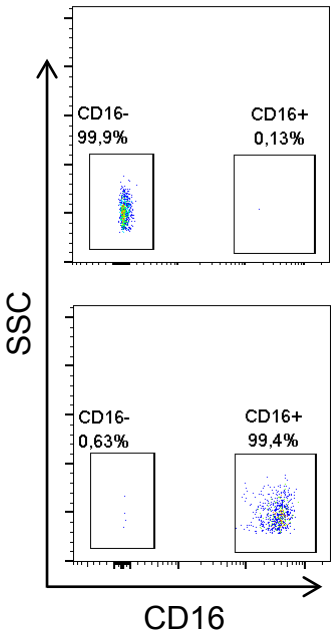
Supplemental Figure 7: Novel functional markers for CD16^{+} MDDC. Genome-wide transcriptional profiles were generated using the Affymetrix HG Plus 2.0 Microarrays, as described in Figure 1A and 1D-H. Shown are the relative expression levels of the following DEGs: ITGAE/CD103, CDH1/E-cadherin; ALDH1A2/RALDH2, TCF7L2/TCF4, TNF-α, CCL22, and CCL18. Results were generated with matched CD16^{+} and CD16^{-} MDDC subsets from n=5 different individuals exposed to media, LPS or HIV for 24 hours.

A. Phenotype before FACS sort



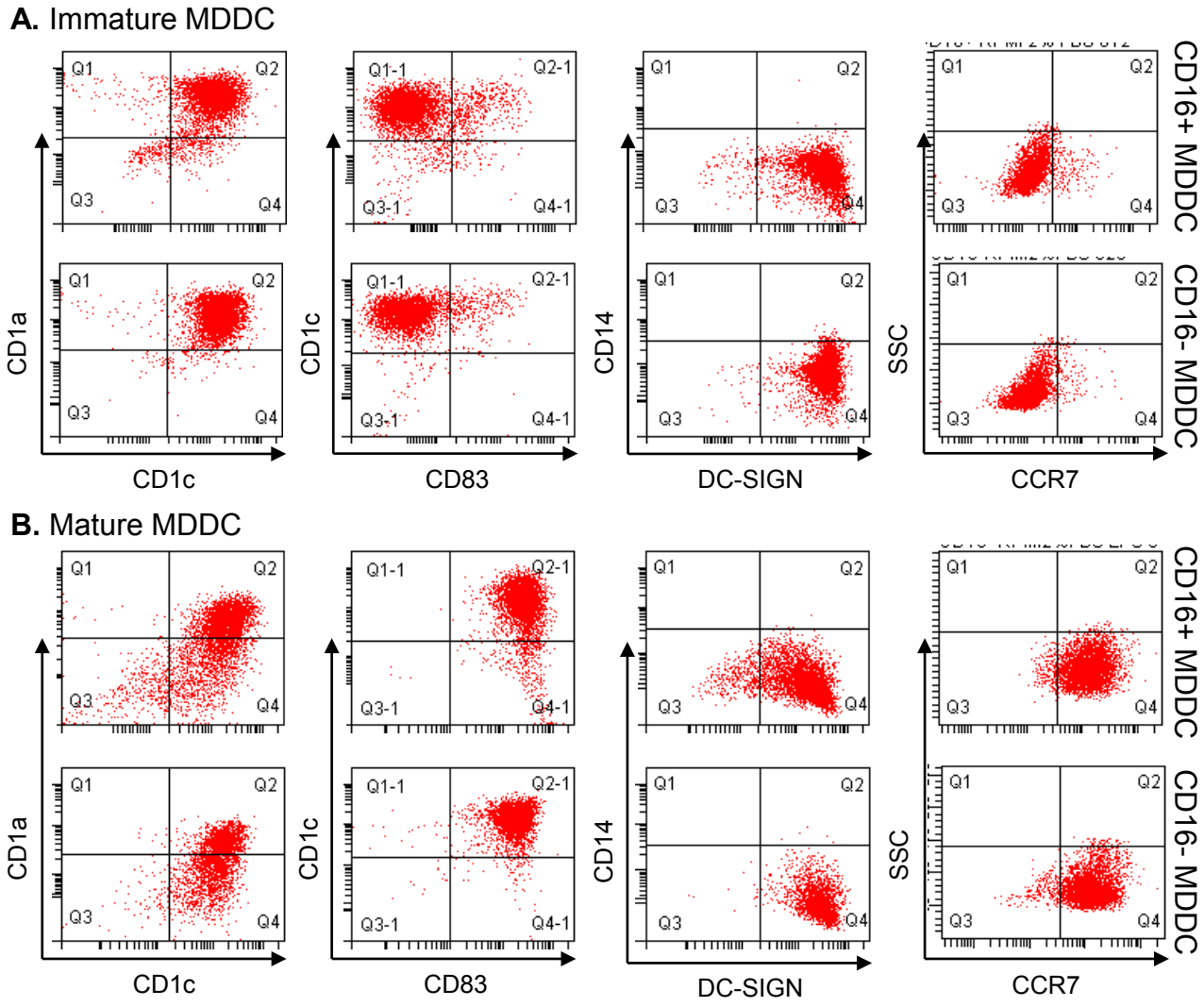
Total monocytes

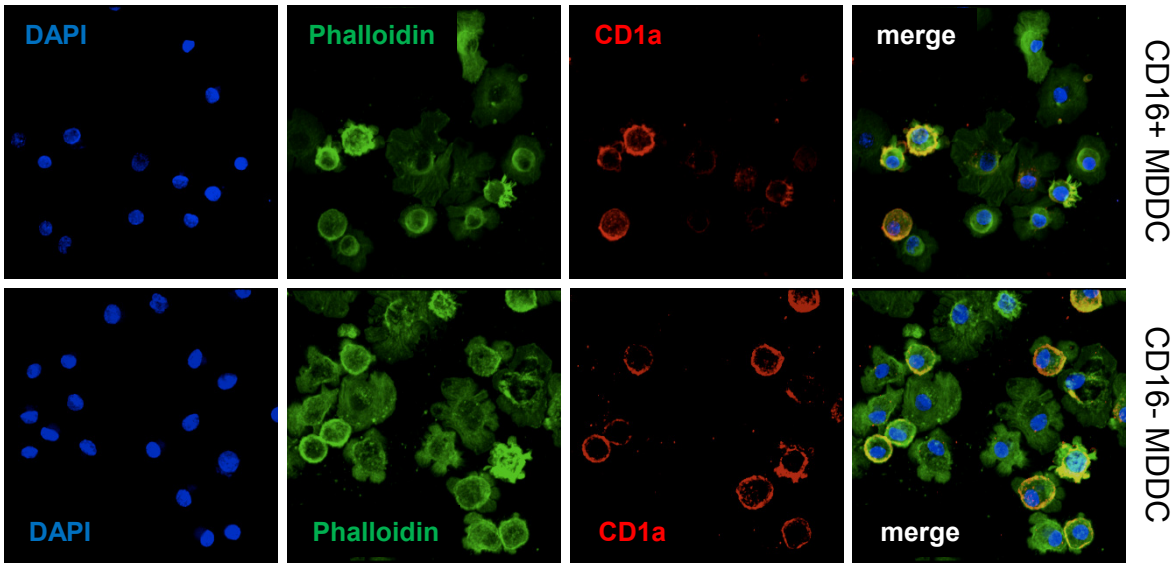
B. Quality control after FACS sort

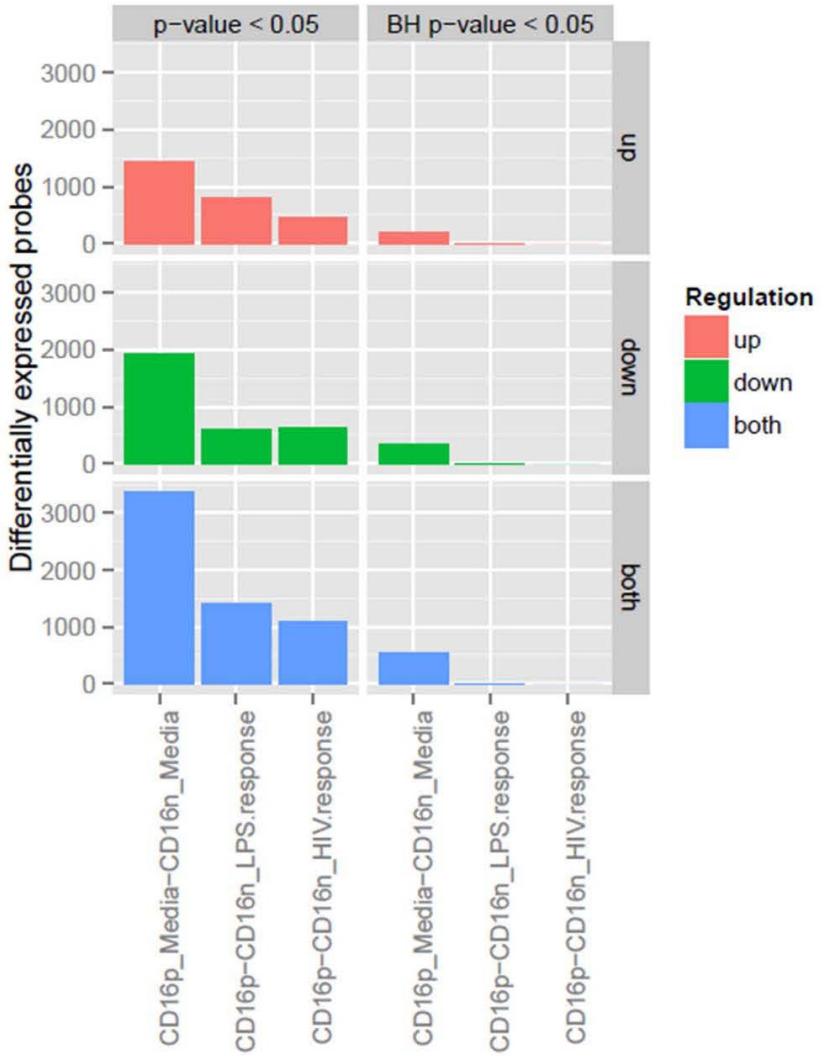


CD16- monocytes

CD16+ monocytes

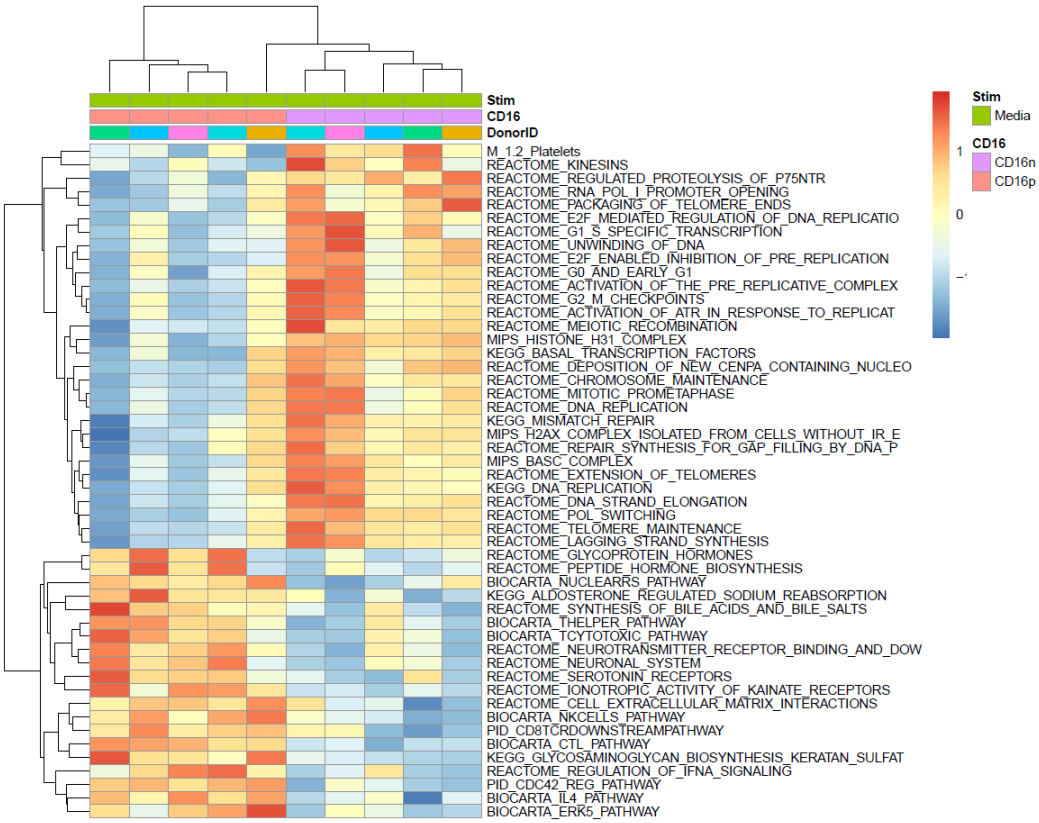

A. Immature MDDC
B. Mature MDDC
CD1a
CD1c
CD83
CD14
DC-SIGN
SSC
CCR7
CD16+ MDDC
CD16- MDDC
Q1
Q2
Q3
Q4
Q1-1
Q2-1
Q3-1
Q4-1


C. Immature MDDC (40X magnification)
DAPI
Phalloidin
CD1a
merge
CD16+ MDDC
CD16- MDDC

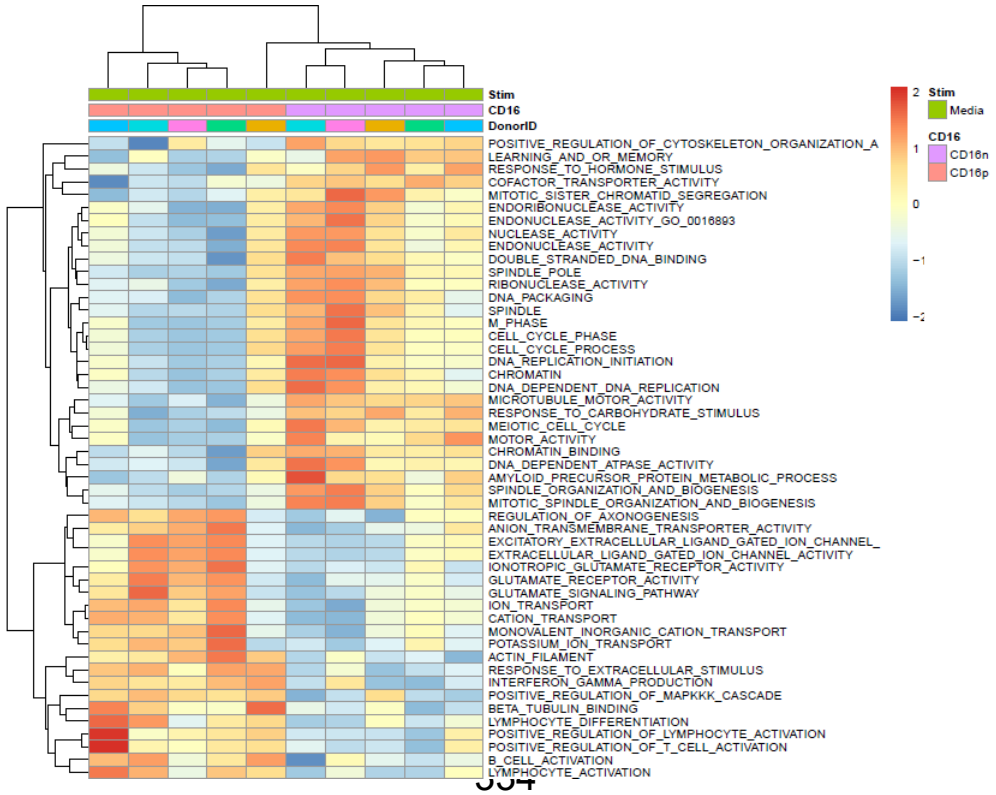


Wacleche *et al.* Suppl. Figure 3

A. GSVA: C2 Canonical pathways (CD16+ *vs.* CD16- MDDC)

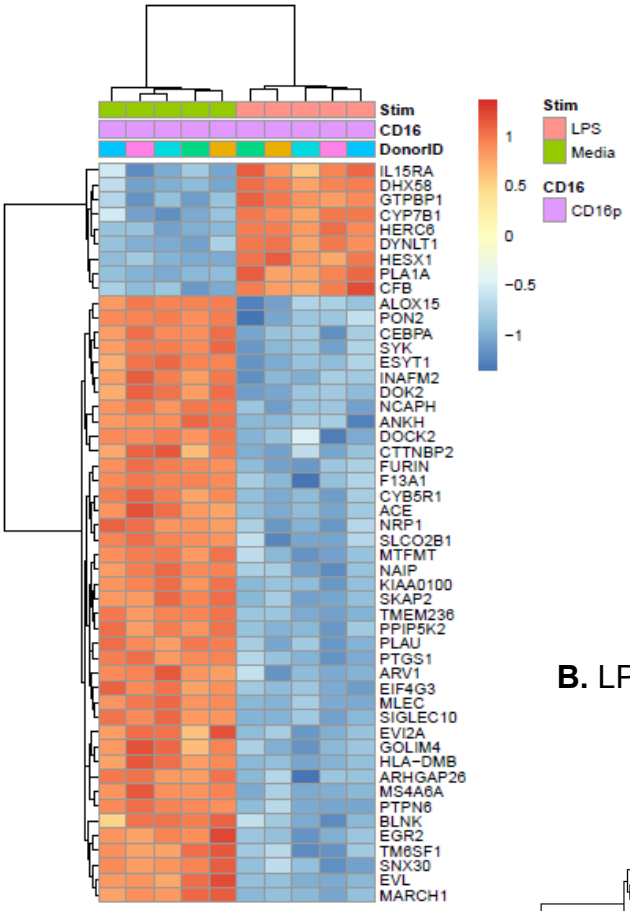


B. GSVA: C5 Biological processes (CD16+ *vs.* CD16- MDDC)

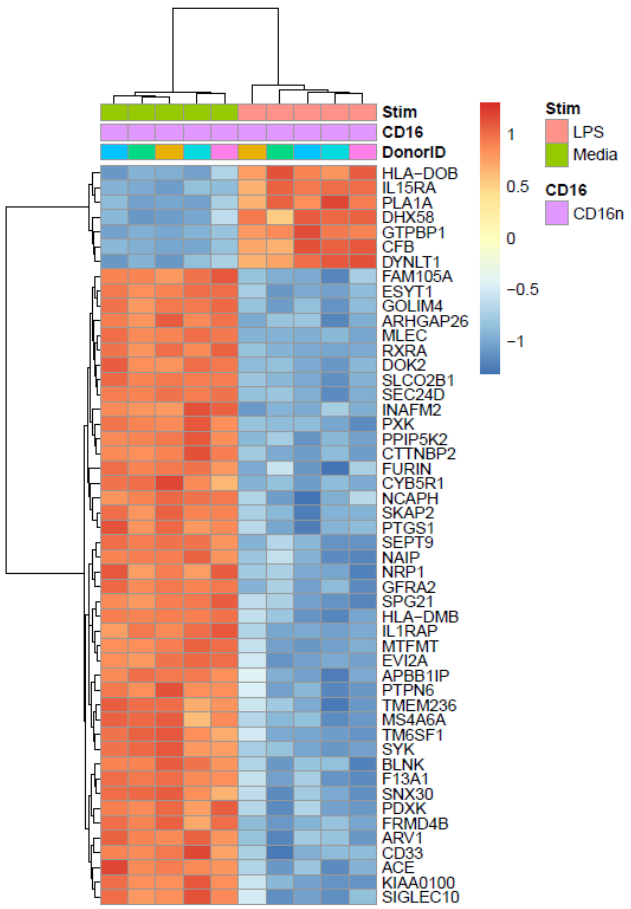


Wacleche *et al.* Suppl. Figure 4

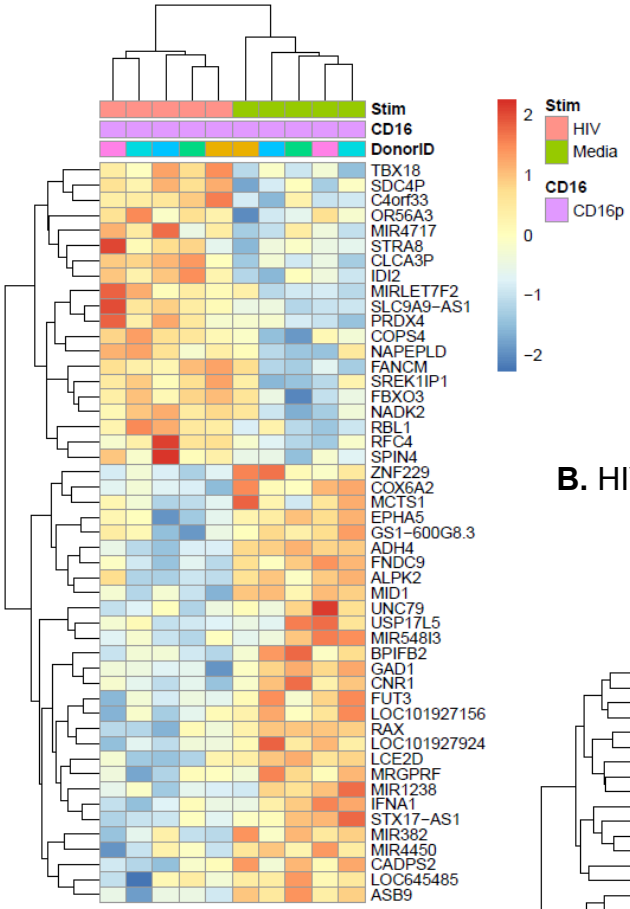
A. LPS: top modulated transcripts in CD16+ MDDC



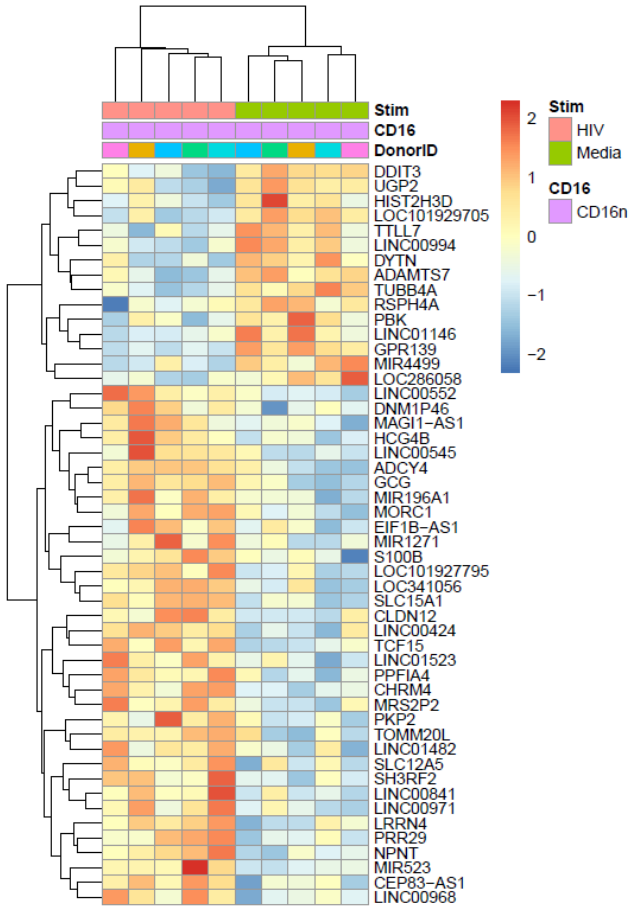
B. LPS: top modulated transcripts in CD16- MDDC

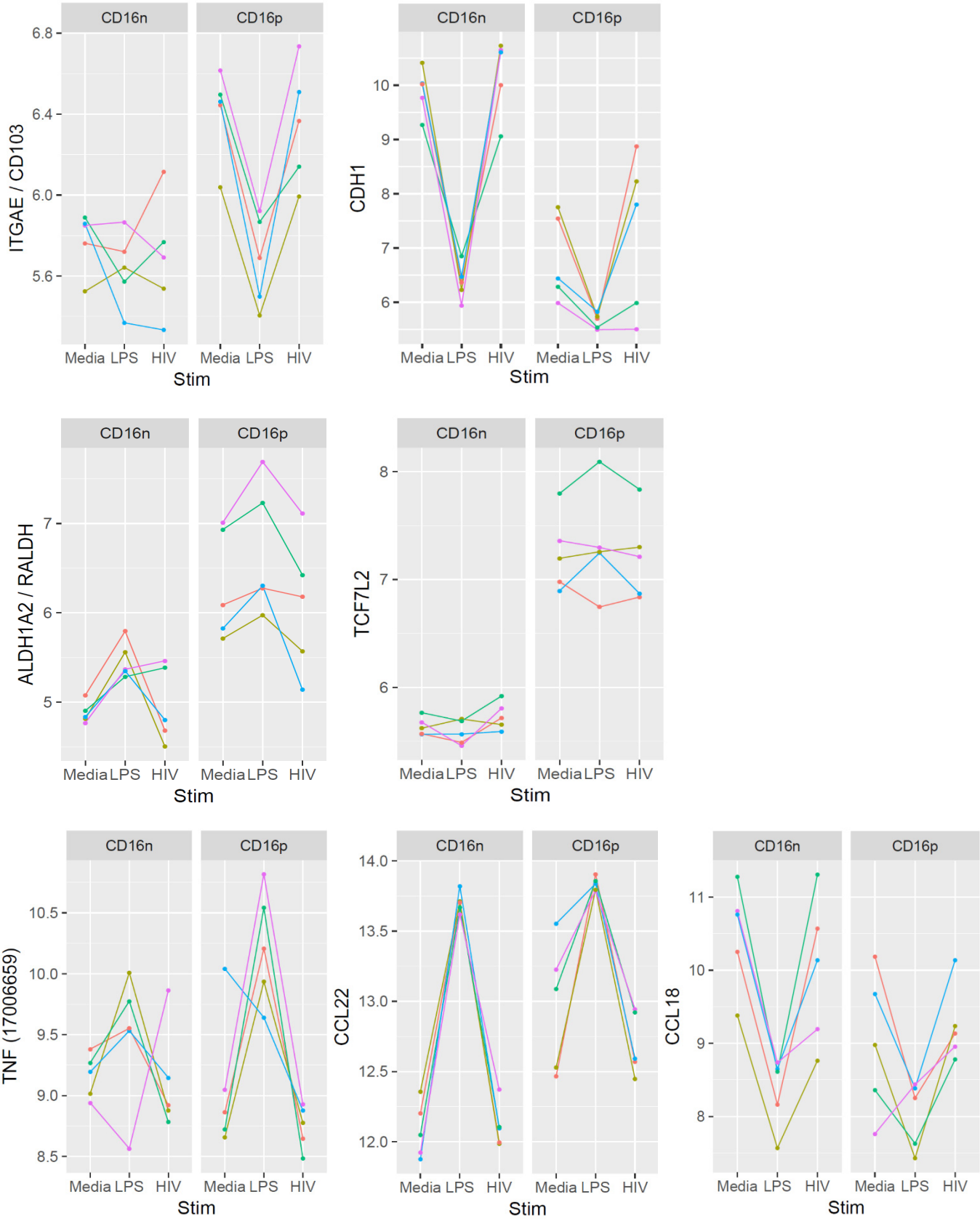


A. HIV: top modulated transcripts in CD16+ MDDC



B. HIV: top modulated transcripts in CD16- MDDC





Wacleche *et al.* Suppl. Figure 7

Suppl. Table 1: Up regulated genes in CD16+ *versus* CD16-MDDC

Symbol	adj. p	FC	description
AQP9	0,001345084	4,63	aquaporin 9
DCSTAMP	0,020286374	3,93	dendrocyte expressed seven transmembrane protein
TGM2	0,028211439	3,09	transglutaminase 2
CH25H	0,034619967	3,07	cholesterol 25-hydroxylase
TCF7L2	3,34E-07	3,05	transcription factor 7-like 2 (T-cell specific, HMG-box)
LILRB1	0,036864756	2,98	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1
RGCC	0,021578042	2,83	regulator of cell cycle
CHST15	0,000199888	2,75	carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15
ALDH1A2	0,004504132	2,70	aldehyde dehydrogenase 1 family, member A2
LRP1	0,00404557	2,57	low density lipoprotein receptor-related protein 1
GBP4	0,032916924	2,55	guanylate binding protein 4
GIMAP4	0,020906716	2,53	GTPase, IMAP family member 4
LPL	0,003332613	2,51	lipoprotein lipase
CCND2	0,021343315	2,50	cyclin D2
SLAMF7	0,032922542	2,46	SLAM family member 7
EPS8	9,94E-06	2,38	epidermal growth factor receptor pathway substrate 8
INHBA	0,005886239	2,34	inhibin, beta A
IL21R	0,003557576	2,32	interleukin 21 receptor
SCIMP	0,041179995	2,30	SLP adaptor and CSK interacting membrane protein
GPC4	0,009520189	2,27	glypican 4
TIMP3	0,014365449	2,24	TIMP metallopeptidase inhibitor 3
SASH1	0,006627678	2,24	SAM and SH3 domain containing 1
FAM20A	0,005999118	2,24	family with sequence similarity 20, member A
PIK3AP1	0,022387659	2,22	phosphoinositide-3-kinase adaptor protein 1
ITGAL	0,003432854	2,20	integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)
ABHD2	0,000179965	2,16	abhydrolase domain containing 2
SETBP1	0,006424162	2,15	SET binding protein 1

C1orf162	0,028319964	2,15	chromosome 1 open reading frame 162
DOCK3	0,000226732	2,09	dedicator of cytokinesis 3
LOC100507639	0,012768831	2,06	uncharacterized LOC100507639
SYT17	0,000981734	2,05	synaptotagmin XVII
SEL1L3	0,042374321	2,04	sel-1 suppressor of lin-12-like 3 (C. elegans)
PPARG	0,016111031	2,03	peroxisome proliferator-activated receptor gamma
FGD5	0,042374321	2,02	FYVE, RhoGEF and PH domain containing 5
MSR1	0,007283765	2,00	macrophage scavenger receptor 1
GALNT12	0,020574533	1,99	polypeptide N-acetylgalactosaminyltransferase 12
MLLT4	0,001235784	1,99	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4
LY9	0,000844131	1,98	lymphocyte antigen 9
IL15	0,040047509	1,98	interleukin 15
GCH1	0,004766439	1,97	GTP cyclohydrolase 1
TREM2	0,020299151	1,97	triggering receptor expressed on myeloid cells 2
OCSTAMP	0,014217266	1,94	osteoclast stimulatory transmembrane protein
SPRY2	0,019516901	1,91	sprouty homolog 2 (Drosophila)
CLEC19A	0,049290329	1,88	C-type lectin domain family 19, member A
LOC200772	4,46E-06	1,88	uncharacterized LOC200772
HEG1	0,022396076	1,87	heart development protein with EGF-like domains 1
FAR2	0,042362266	1,87	fatty acyl CoA reductase 2
ATF3	0,016735127	1,86	activating transcription factor 3
CCL22	0,000456819	1,86	chemokine (C-C motif) ligand 22
GBP2	0,005119835	1,84	guanylate binding protein 2, interferon-inducible
TBC1D9	0,001763953	1,83	TBC1 domain family, member 9 (with GRAM domain)
BCAT1	0,00929276	1,81	branched chain amino-acid transaminase 1, cytosolic
DHRS11	0,025314821	1,81	dehydrogenase/reductase (SDR family) member 11
DENND5A	0,003704764	1,80	DENN/MADD domain containing 5A
ETV5	0,022110824	1,80	ets variant 5
ITPKB	0,007283765	1,78	inositol-trisphosphate 3-kinase B

RAPH1	0,01446133	1,78	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1
KCNN4	0,018925464	1,77	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4
PHLDA1	0,01544101	1,77	pleckstrin homology-like domain, family A, member 1
SLC8A1	0,042362266	1,76	solute carrier family 8 (sodium/calcium exchanger), member 1
ALCAM	0,049461456	1,75	activated leukocyte cell adhesion molecule
FA2H	0,001436212	1,75	fatty acid 2-hydroxylase
MGLL	0,046207314	1,74	monoglyceride lipase
MREG	0,013526454	1,73	melanoregulin
ROR1-AS1	0,041940432	1,71	ROR1 antisense RNA 1
BHLHE41	0,010636839	1,71	basic helix-loop-helix family, member e41
TLE1	0,032344918	1,71	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)
PAG1	0,010636839	1,69	phosphoprotein membrane anchor with glycosphingolipid microdomains 1
SERPINA1	0,004504132	1,69	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1
CABP4	3,35E-05	1,68	calcium binding protein 4
MCOLN3	0,006424162	1,67	mucolipin 3
MEF2C	0,020299151	1,67	myocyte enhancer factor 2C
H6PD	0,00404557	1,65	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)
SLC7A7	0,02872293	1,64	solute carrier family 7 (amino acid transporter light chain, y+L system), member 7
CD86	0,00399585	1,62	CD86 molecule
NBEAL2	0,003432854	1,62	neurobeachin-like 2
ST3GAL1	0,014365449	1,60	ST3 beta-galactoside alpha-2,3-sialyltransferase 1
AKT3	0,00929276	1,58	v-akt murine thymoma viral oncogene homolog 3
SLC15A3	0,007899462	1,58	solute carrier family 15 (oligopeptide transporter), member 3
CHST11	0,010952307	1,58	carbohydrate (chondroitin 4) sulfotransferase 11
DOCK5	0,022477926	1,58	dedicator of cytokinesis 5
UCP2	0,001235784	1,58	uncoupling protein 2 (mitochondrial, proton carrier)
ACTA2	0,003743328	1,57	actin, alpha 2, smooth muscle, aorta
P2RX1	0,013526454	1,56	purinergic receptor P2X, ligand-gated ion channel, 1
EML4	0,028211439	1,55	echinoderm microtubule associated protein like 4

KIAA0513	0,034619967	1,55	KIAA0513
ITGAE	0,005886239	1,55	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide)
ARAP2	0,002656371	1,54	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2
UPP1	0,018925464	1,54	uridine phosphorylase 1
HIPK2	0,016111031	1,53	homeodomain interacting protein kinase 2
CYFIP2	0,032073993	1,53	cytoplasmic FMR1 interacting protein 2
TRAFD1	0,017252121	1,52	TRAF-type zinc finger domain containing 1
CD97	0,04029774	1,52	CD97 molecule
PTGER4	0,035188415	1,51	prostaglandin E receptor 4 (subtype EP4)
RUFY3	0,033109948	1,51	RUN and FYVE domain containing 3
DOCK8	0,003307121	1,50	dedicator of cytokinesis 8
LOC100289533	0,003619948	1,50	uncharacterized LOC100289533
GAL	0,036803238	1,49	galanin/GMAP prepropeptide
BAI1	0,010636839	1,49	brain-specific angiogenesis inhibitor 1
PALLD	0,00079014	1,49	palladin, cytoskeletal associated protein
LINC00847	0,018579295	1,48	long intergenic non-protein coding RNA 847
ZDHHC18	0,030339052	1,48	zinc finger, DHHC-type containing 18
PACS1	0,003212011	1,48	phosphofurin acidic cluster sorting protein 1
TBC1D1	0,013307413	1,47	TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1
FMNL2	0,008924837	1,47	formin-like 2
FOXO1	0,028431173	1,46	forkhead box O1
DLGAP4	0,013670143	1,46	discs, large (Drosophila) homolog-associated protein 4
VWCE	0,004585029	1,45	von Willebrand factor C and EGF domains
ASB9	0,028211439	1,45	ankyrin repeat and SOCS box containing 9
PC	0,010636839	1,45	pyruvate carboxylase
GEM	0,013391517	1,44	GTP binding protein overexpressed in skeletal muscle
TRAV12-2	0,046736442	1,44	T cell receptor alpha variable 12-2
SLC22A23	0,035188415	1,44	solute carrier family 22, member 23
SPOCD1	0,026751204	1,43	SPOC domain containing 1

PRR5L	0,010088172	1,43	proline rich 5 like
PLA2G15	0,049290329	1,43	phospholipase A2, group XV
BACE1	0,029628827	1,43	beta-site APP-cleaving enzyme 1
ZNF732	0,042362266	1,43	zinc finger protein 732
WFS1	0,026394663	1,43	Wolfram syndrome 1 (wolframin)
KLHL6	0,012543702	1,42	kelch-like family member 6
TMC8	0,006424162	1,42	transmembrane channel-like 8
MTSS1	0,016087396	1,41	metastasis suppressor 1
LOC100506928	0,020506014	1,41	uncharacterized LOC100506928
MFSD12	0,013670143	1,40	major facilitator superfamily domain containing 12
PI4K2A	0,048825732	1,40	phosphatidylinositol 4-kinase type 2 alpha
C19orf60	0,007949832	1,39	chromosome 19 open reading frame 60
TMC6	0,047758353	1,39	transmembrane channel-like 6
CADPS2	0,004626759	1,39	Ca++-dependent secretion activator 2
PDE6G	0,013501033	1,38	phosphodiesterase 6G, cGMP-specific, rod, gamma
RASSF3	0,006424162	1,38	Ras association (RalGDS/AF-6) domain family member 3
RNF207	0,018925464	1,38	ring finger protein 207
CYP27A1	0,042374321	1,38	cytochrome P450, family 27, subfamily A, polypeptide 1
PGBD5	0,038626888	1,37	piggyBac transposable element derived 5
SLC28A3	0,012729886	1,37	solute carrier family 28 (concentrative nucleoside transporter), member 3
TNFRSF12A	0,039903772	1,36	tumor necrosis factor receptor superfamily, member 12A
CA14	0,005123585	1,36	carbonic anhydrase XIV
TCIRG1	0,024088086	1,35	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 subunit A3
UG0898H09	0,029628827	1,35	uncharacterized LOC643763
PCGF2	0,009633151	1,34	polycomb group ring finger 2
NDST1	0,042362266	1,34	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1
HCP5	0,030415845	1,34	HLA complex P5 (non-protein coding)
CLSTN1	0,032451965	1,34	calsyntenin 1
ZNF703	0,034828727	1,33	zinc finger protein 703

LONRF3	0,042362266	1,33	LON peptidase N-terminal domain and ring finger 3
LOC101927438	0,044282374	1,33	uncharacterized LOC101927438
AP4B1-AS1	0,022396076	1,33	AP4B1 antisense RNA 1
TNFSF14	0,034619967	1,33	tumor necrosis factor (ligand) superfamily, member 14
JAK1	0,004504132	1,33	Janus kinase 1
TMEM164	0,012516633	1,33	transmembrane protein 164
SNORD89	0,003815492	1,33	small nucleolar RNA, C/D box 89
CCND1	0,042058257	1,32	cyclin D1
SLC15A1	0,036921459	1,32	solute carrier family 15 (oligopeptide transporter), member 1
TBC1D30	0,047095338	1,32	TBC1 domain family, member 30
DOPEY2	0,036371377	1,31	dopey family member 2
LOC100506514	0,023532351	1,31	uncharacterized LOC100506514
LINC00877	0,04272916	1,31	long intergenic non-protein coding RNA 877
ZNF454	0,020906716	1,31	zinc finger protein 454
RPS19	0,006424162	1,30	ribosomal protein S19
KCNMB4	0,042362266	1,30	potassium large conductance calcium-activated channel, subfamily M, beta member 4

Suppl. Table 2: Down regulated genes in CD16+ *versus* CD16-MDDC

Symbol	adj. p	FC	description
CDH1	4,48E-05	-8,59	cadherin 1, type 1, E-cadherin (epithelial)
RXFP1	1,06E-05	-7,58	relaxin/insulin-like family peptide receptor 1
STEAP4	0,000967676	-6,78	STEAP family member 4
PAK7	2,68E-08	-5,16	p21 protein (Cdc42/Rac)-activated kinase 7
CCR6	1,74E-07	-3,91	chemokine (C-C motif) receptor 6
CD163L1	0,003432854	-3,86	CD163 molecule-like 1
RNASE2	0,00846588	-3,84	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)
COLEC12	6,47E-05	-3,75	collectin sub-family member 12
PPBP	0,016735127	-3,74	pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)
MPO	0,003743328	-3,59	myeloperoxidase
HRH4	0,008015255	-3,49	histamine receptor H4
GPR171	0,002428325	-3,44	G protein-coupled receptor 171
IL17RB	0,00079014	-3,39	interleukin 17 receptor B
PTGER3	5,65E-05	-3,31	prostaglandin E receptor 3 (subtype EP3)
SLC40A1	0,007700021	-3,29	solute carrier family 40 (iron-regulated transporter), member 1
ME1	0,00730176	-3,23	malic enzyme 1, NADP(+)-dependent, cytosolic
MIR146B	0,009004086	-3,20	microRNA 146b
DUOXA1	4,48E-05	-2,98	dual oxidase maturation factor 1
ITGA9	0,014365449	-2,96	integrin, alpha 9
DUOX1	0,000150649	-2,95	dual oxidase 1
TOX	0,000203362	-2,94	thymocyte selection-associated high mobility group box
CPA3	0,00330199	-2,93	carboxypeptidase A3 (mast cell)
HIST1H2AJ	0,005560076	-2,92	histone cluster 1, H2aj
CCL18	0,038436376	-2,83	chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
ATP1B2	0,006424162	-2,73	ATPase, Na+/K+ transporting, beta 2 polypeptide
ALOX5AP	0,005886239	-2,69	arachidonate 5-lipoxygenase-activating protein
FZD3	0,000969723	-2,65	frizzled class receptor 3

PROS1	0,000699561	-2,64	protein S (alpha)
TMPRSS13	0,009206754	-2,56	transmembrane protease, serine 13
ZNF827	0,010067462	-2,53	zinc finger protein 827
SERPINF1	4,75E-05	-2,51	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1
HIST1H2BM	0,020906716	-2,50	histone cluster 1, H2bm
GGT5	0,000199888	-2,49	gamma-glutamyltransferase 5
SCN9A	0,012516633	-2,48	sodium channel, voltage-gated, type IX, alpha subunit
IGJ	0,021343315	-2,43	immunoglobulin J polypeptide, linker protein for immunoglobulin alpha and mu polypeptides
NFXL1	0,015958926	-2,41	nuclear transcription factor, X-box binding-like 1
TSPAN15	0,00330199	-2,40	tetraspanin 15
CREB3L1	0,000687329	-2,38	cAMP responsive element binding protein 3-like 1
ADAM23	0,001345084	-2,38	ADAM metallopeptidase domain 23
CDH2	0,005938694	-2,34	cadherin 2, type 1, N-cadherin (neuronal)
SIGLEC1	6,47E-05	-2,31	sialic acid binding Ig-like lectin 1, sialoadhesin
MYBL1	7,85E-06	-2,31	v-myb avian myeloblastosis viral oncogene homolog-like 1
RAB27B	0,01514017	-2,30	RAB27B, member RAS oncogene family
EPCAM	2,27E-05	-2,27	epithelial cell adhesion molecule
LSR	0,033101676	-2,27	lipolysis stimulated lipoprotein receptor
CRH	9,36E-05	-2,26	corticotropin releasing hormone
TSPAN7	0,045708897	-2,24	tetraspanin 7
CLEC4G	0,001997598	-2,22	C-type lectin domain family 4, member G
CD34	0,008015255	-2,20	CD34 molecule
SMARCA1	0,005938694	-2,18	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1
NUP107	7,85E-06	-2,18	nucleoporin 107kDa
SNORD75	0,005952553	-2,14	small nucleolar RNA, C/D box 75
GIPC3	0,005119835	-2,11	GIPC PDZ domain containing family, member 3
TPX2	0,006615125	-2,10	TPX2, microtubule-associated
RALGPS2	0,002491484	-2,08	Ral GEF with PH domain and SH3 binding motif 2
LOC101927780	0,000199888	-2,05	uncharacterized LOC101927780

CST7	0,000398548	-2,04	cystatin F (leukocystatin)
FAM189A2	0,032829728	-2,04	family with sequence similarity 189, member A2
ZNF480	0,003432854	-2,04	zinc finger protein 480
SLC2A1	0,009101532	-2,03	solute carrier family 2 (facilitated glucose transporter), member 1
SH3PXD2B	0,015493578	-2,03	SH3 and PX domains 2B
PPAP2A	0,016111031	-2,00	phosphatidic acid phosphatase type 2A
TOP2A	0,012543702	-1,99	topoisomerase (DNA) II alpha 170kDa
DNM1	0,006424162	-1,99	dynamin 1
LOC101928161	0,014294496	-1,96	uncharacterized LOC101928161
MSI2	0,014365449	-1,96	musashi RNA-binding protein 2
GAPT	0,015493578	-1,94	GRB2-binding adaptor protein, transmembrane
CLEC4M	0,012516633	-1,93	C-type lectin domain family 4, member M
CRIM1	0,038436376	-1,93	cysteine rich transmembrane BMP regulator 1 (chordin-like)
FNBP1L	0,020722946	-1,93	formin binding protein 1-like
DNASE1L3	0,008149648	-1,91	deoxyribonuclease I-like 3
CCNA1	0,012768831	-1,91	cyclin A1
SGCB	0,036921459	-1,90	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein)
SLC22A5	0,003743328	-1,89	solute carrier family 22 (organic cation/carnitine transporter), member 5
CECR2	0,008677393	-1,88	cat eye syndrome chromosome region, candidate 2
HSPA2	0,019422107	-1,87	heat shock 70kDa protein 2
SLC35F3	0,032670604	-1,86	solute carrier family 35, member F3
NCR3LG1	0,014348784	-1,85	natural killer cell cytotoxicity receptor 3 ligand 1
TULP3	0,004766439	-1,83	tubby like protein 3
ESCO2	0,005560076	-1,81	establishment of sister chromatid cohesion N-acetyltransferase 2
SKA3	0,010088172	-1,80	spindle and kinetochore associated complex subunit 3
RCBTB2	0,00061286	-1,80	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2
ID3	0,025521001	-1,80	inhibitor of DNA binding 3, dominant negative helix-loop-helix protein
KIF11	0,006434531	-1,78	kinesin family member 11
SNHG19	0,043947273	-1,78	small nucleolar RNA host gene 19 (non-protein coding)

SAMD9	0,005999118	-1,75	sterile alpha motif domain containing 9
FAM171B	0,048060436	-1,74	family with sequence similarity 171, member B
PLEK2	0,018398082	-1,74	pleckstrin 2
LONRF1	0,003432854	-1,74	LON peptidase N-terminal domain and ring finger 1
EIF2AK2	0,013526454	-1,73	eukaryotic translation initiation factor 2-alpha kinase 2
S100B	0,004155399	-1,72	S100 calcium binding protein B
HSPA4L	0,049536531	-1,71	heat shock 70kDa protein 4-like
ESAM	0,00330199	-1,71	endothelial cell adhesion molecule
DDIT3	0,001436212	-1,71	DNA-damage-inducible transcript 3
HR	0,000199888	-1,71	hair growth associated
ADHFE1	0,021154624	-1,70	alcohol dehydrogenase, iron containing, 1
PRSS36	0,000969723	-1,70	protease, serine, 36
TXLNB	0,013670143	-1,69	taxilin beta
GCNT1	0,032616994	-1,69	glucosaminyl (N-acetyl) transferase 1, core 2
MIR503	0,005502371	-1,69	microRNA 503
KBTBD7	0,010977951	-1,68	kelch repeat and BTB (POZ) domain containing 7
CDR2L	0,006927827	-1,68	cerebellar degeneration-related protein 2-like
HIST1H2BL	0,035886512	-1,68	histone cluster 1, H2bl
C9orf72	0,005886239	-1,67	chromosome 9 open reading frame 72
BUB1	0,017612594	-1,66	BUB1 mitotic checkpoint serine/threonine kinase
LINC00967	0,015493578	-1,66	long intergenic non-protein coding RNA 967
EZH2	0,016735127	-1,65	enhancer of zeste 2 polycomb repressive complex 2 subunit
TRIM15	0,003946823	-1,65	tripartite motif containing 15
ABCC4	0,000411135	-1,65	ATP-binding cassette, sub-family C (CFTR/MRP), member 4
MIR4499	0,024937371	-1,64	microRNA 4499
SELL	0,035023187	-1,64	selectin L
SYCP2	0,044034996	-1,63	synaptonemal complex protein 2
IL1RL2	0,005345224	-1,63	interleukin 1 receptor-like 2
RNF138P1	0,029646979	-1,63	ring finger protein 138, E3 ubiquitin protein ligase pseudogene 1

RNASE1	0,008598691	-1,62	ribonuclease, RNase A family, 1 (pancreatic)
IGFBP7	0,001355833	-1,62	insulin-like growth factor binding protein 7
SLC44A1	0,00399585	-1,62	solute carrier family 44 (choline transporter), member 1
PKP2	0,007283765	-1,62	plakophilin 2
ITM2C	0,01800465	-1,62	integral membrane protein 2C
MKI67	0,008015255	-1,61	marker of proliferation Ki-67
HCAR3	0,006250764	-1,61	hydroxycarboxylic acid receptor 3
TFAP2C	0,012205232	-1,61	transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma)
AIG1	0,010636839	-1,60	androgen-induced 1
TRIM15	0,005938694	-1,59	tripartite motif containing 15
TRIM15	0,005938694	-1,59	tripartite motif containing 15
TRIM15	0,005938694	-1,59	tripartite motif containing 15
IKZF4	0,004504132	-1,59	IKAROS family zinc finger 4 (Eos)
TRIM15	0,005886239	-1,58	tripartite motif containing 15
TRIM15	0,005886239	-1,58	tripartite motif containing 15
TRIM15	0,005886239	-1,58	tripartite motif containing 15
C4orf32	0,018773627	-1,58	chromosome 4 open reading frame 32
NUSAP1	0,005938694	-1,58	nucleolar and spindle associated protein 1
NCKAP5	0,018150712	-1,58	NCK-associated protein 5
EDDM3A	0,046736442	-1,58	epididymal protein 3A
BANK1	0,003815492	-1,58	B-cell scaffold protein with ankyrin repeats 1
KIT	0,038436376	-1,58	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
HSPA12B	0,013249297	-1,57	heat shock 70kD protein 12B
WDFY2	0,018599272	-1,56	WD repeat and FYVE domain containing 2
SLX4IP	0,00846588	-1,56	SLX4 interacting protein
ICA1	0,01294825	-1,55	islet cell autoantigen 1, 69kDa
SGOL1	0,048060436	-1,55	shugoshin-like 1 (S. pombe)
CRYM-AS1	0,01446133	-1,55	CRYM antisense RNA 1
RFC4	0,004504132	-1,55	replication factor C (activator 1) 4, 37kDa

FAM95B1	0,046173976	-1,55	family with sequence similarity 95, member B1
DEPDC1B	0,04501606	-1,54	DEP domain containing 1B
TRIM15	0,010411394	-1,54	tripartite motif containing 15
MVB12B	0,0148961	-1,54	multivesicular body subunit 12B
PDCD1LG2	0,005886239	-1,54	programmed cell death 1 ligand 2
CCNE2	0,017612594	-1,54	cyclin E2
KDELC2	0,012345555	-1,54	KDEL (Lys-Asp-Glu-Leu) containing 2
TIPIN	0,010407667	-1,53	TIMELESS interacting protein
SVIL	0,036921459	-1,53	supervillin
RNF24	0,00501938	-1,53	ring finger protein 24
CDCA7L	0,006424162	-1,52	cell division cycle associated 7-like
IGF2BP2	0,042362266	-1,52	insulin-like growth factor 2 mRNA binding protein 2
PCMTD2	0,003589583	-1,52	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2
ZCCHC7	0,004905648	-1,52	zinc finger, CCHC domain containing 7
LOC100288814	0,020041698	-1,52	uncharacterized LOC100288814
PGAP1	0,048026791	-1,51	post-GPI attachment to proteins 1
GPSM2	0,023641524	-1,51	G-protein signaling modulator 2
FOXQ1	0,020286374	-1,51	forkhead box Q1
ST8SIA4	0,024937371	-1,51	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4
B3GALNT1	0,005560076	-1,51	beta-1,3-N-acetylgalactosaminyltransferase 1 (globoside blood group)
PRIM1	0,013015434	-1,50	primase, DNA, polypeptide 1 (49kDa)
BRCA2	0,027977573	-1,50	breast cancer 2, early onset
TWSG1	0,046946294	-1,50	twisted gastrulation BMP signaling modulator 1
ZNF383	0,036803238	-1,50	zinc finger protein 383
TMEM255B	0,045104724	-1,49	transmembrane protein 255B
MBOAT2	0,006484723	-1,49	membrane bound O-acyltransferase domain containing 2
STX2	0,009413945	-1,49	syntaxin 2
SHCBP1	0,008175731	-1,49	SHC SH2-domain binding protein 1
RRS1-AS1	0,048059158	-1,49	RRS1 antisense RNA 1 (head to head)

RHPN1-AS1	0,012543702	-1,49	RHPN1 antisense RNA 1 (head to head)
MAP1A	0,012669679	-1,49	microtubule-associated protein 1A
ARL4A	0,008366345	-1,48	ADP-ribosylation factor-like 4A
NFE2	0,013391517	-1,48	nuclear factor, erythroid 2
KBTBD11	0,006424162	-1,48	kelch repeat and BTB (POZ) domain containing 11
CLDN4	0,026610987	-1,48	claudin 4
KIF20B	0,022458066	-1,48	kinesin family member 20B
KIF15	0,031101368	-1,48	kinesin family member 15
SNTB1	0,007853219	-1,48	syntrophin, beta 1 (dystrophin-associated protein A1, 59kDa, basic component 1)
LRRCC1	0,049536531	-1,47	leucine rich repeat and coiled-coil centrosomal protein 1
NCR3LG1	0,011384085	-1,47	natural killer cell cytotoxicity receptor 3 ligand 1
FLJ22447	0,016087396	-1,47	uncharacterized LOC400221
HIF1A	0,000716838	-1,47	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
AKR1B1	0,048060436	-1,46	aldo-keto reductase family 1, member B1 (aldose reductase)
CWF19L1	0,022396076	-1,46	CWF19-like 1, cell cycle control (S. pombe)
STIL	0,035608235	-1,46	SCL/TAL1 interrupting locus
LYRM7	0,005350352	-1,46	LYR motif containing 7
TGFBR1	0,012926609	-1,45	transforming growth factor, beta receptor 1
ACAP1	0,039439794	-1,45	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1
ZNF823	0,038551127	-1,45	zinc finger protein 823
STOX2	0,020299151	-1,45	storkhead box 2
RFC3	0,017185822	-1,45	replication factor C (activator 1) 3, 38kDa
SMAGP	0,048413261	-1,45	small cell adhesion glycoprotein
LINC01150	0,013249297	-1,44	long intergenic non-protein coding RNA 1150
TAF4B	0,044199813	-1,44	TAF4b RNA polymerase II, TATA box binding protein (TBP)-associated factor, 105kDa
RBM22	0,000147152	-1,44	RNA binding motif protein 22
RB1	0,005886239	-1,44	retinoblastoma 1
SPIN4	0,006250764	-1,44	spindlin family, member 4
SCN5A	0,039819189	-1,44	sodium channel, voltage-gated, type V, alpha subunit

CTTNBP2	0,027413904	-1,44	cortactin binding protein 2
PEAK1	0,048650506	-1,44	pseudopodium-enriched atypical kinase 1
AK2	0,006822062	-1,44	adenylate kinase 2
GLIS2	0,015229132	-1,44	GLIS family zinc finger 2
DSTNP2	0,028438957	-1,43	destrin (actin depolymerizing factor) pseudogene 2
IFT74	0,016139908	-1,43	intraflagellar transport 74
ANLN	0,033720643	-1,43	anillin, actin binding protein
PIBF1	0,00873694	-1,43	progesterone immunomodulatory binding factor 1
TRIM10	0,015958926	-1,43	tripartite motif containing 10
ALMS1	0,036921459	-1,42	Alstrom syndrome 1
CACNA2D4	0,030507412	-1,42	calcium channel, voltage-dependent, alpha 2/delta subunit 4
NSUN6	0,04501606	-1,42	NOP2/Sun domain family, member 6
ZDHHC2	0,023005619	-1,42	zinc finger, DHHC-type containing 2
CAPN2	0,035023187	-1,41	calpain 2, (m/II) large subunit
C6orf25	0,017706592	-1,41	chromosome 6 open reading frame 25
C6orf25	0,017706592	-1,41	chromosome 6 open reading frame 25
C6orf25	0,017706592	-1,41	chromosome 6 open reading frame 25
C6orf25	0,017706592	-1,41	chromosome 6 open reading frame 25
CBFB	0,010952307	-1,41	core-binding factor, beta subunit
CHDH	0,035188415	-1,40	choline dehydrogenase
GRIN3B	0,020227341	-1,40	glutamate receptor, ionotropic, N-methyl-D-aspartate 3B
MPP5	0,036921459	-1,40	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)
ALG6	0,008895971	-1,40	ALG6, alpha-1,3-glucosyltransferase
KIAA0825	0,048060436	-1,40	KIAA0825
POLD2	0,029376149	-1,40	polymerase (DNA directed), delta 2, accessory subunit
CENPI	0,032451965	-1,40	centromere protein I
CDKN2C	0,011349411	-1,39	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)
HPSE	0,008924837	-1,39	heparanase
LCLAT1	0,00822055	-1,39	lysocardiolipin acyltransferase 1

C6orf25	0,013526454	-1,39	chromosome 6 open reading frame 25
MCM8	0,010407667	-1,39	minichromosome maintenance complex component 8
PBLD	0,007853219	-1,39	phenazine biosynthesis-like protein domain containing
LYSMD3	0,039658199	-1,38	LysM, putative peptidoglycan-binding, domain containing 3
RNF168	0,036921459	-1,38	ring finger protein 168, E3 ubiquitin protein ligase
SLC37A1	0,048650506	-1,38	solute carrier family 37 (glucose-6-phosphate transporter), member 1
LNX2	0,026159721	-1,38	ligand of numb-protein X 2
SAMD9L	0,022941834	-1,38	sterile alpha motif domain containing 9-like
SNAI1	0,016958742	-1,38	snail family zinc finger 1
APMAP	0,013391517	-1,38	adipocyte plasma membrane associated protein
IFI16	0,035023187	-1,38	interferon, gamma-inducible protein 16
ATAD2	0,02593725	-1,37	ATPase family, AAA domain containing 2
OXCT1	0,046645784	-1,37	3-oxoacid CoA transferase 1
PHF10	0,043438334	-1,37	PHD finger protein 10
LTBP1	0,017706592	-1,37	latent transforming growth factor beta binding protein 1
CKS2	0,022134562	-1,37	CDC28 protein kinase regulatory subunit 2
MAFA	0,029628827	-1,37	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog A
MCUR1	0,041582811	-1,37	mitochondrial calcium uniporter regulator 1
WDR76	0,017612594	-1,36	WD repeat domain 76
ZNF268	0,026528057	-1,36	zinc finger protein 268
NRSN2	0,034619967	-1,36	neurensin 2
POLA2	0,01060777	-1,36	polymerase (DNA directed), alpha 2, accessory subunit
PIGM	0,041149605	-1,36	phosphatidylinositol glycan anchor biosynthesis, class M
LOC728323	0,038626888	-1,36	uncharacterized LOC728323
SMC4	0,013291554	-1,36	structural maintenance of chromosomes 4
ZNF280D	0,018064564	-1,35	zinc finger protein 280D
PARPBP	0,001614762	-1,35	PARP1 binding protein
GTF2F2	0,005312877	-1,35	general transcription factor IIF, polypeptide 2, 30kDa
LANCL1	0,006629956	-1,35	LanC lantibiotic synthetase component C-like 1 (bacterial)

FAM101B	0,036921459	-1,35	family with sequence similarity 101, member B
RRM2	0,042362266	-1,35	ribonucleotide reductase M2
TAF9B	0,025308058	-1,35	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa
WDR89	0,018287459	-1,35	WD repeat domain 89
SLC16A5	0,030379263	-1,35	solute carrier family 16 (monocarboxylate transporter), member 5
CHAF1B	0,005560076	-1,35	chromatin assembly factor 1, subunit B (p60)
THOC1	0,015493578	-1,34	THO complex 1
FANCD2	0,024359738	-1,34	Fanconi anemia, complementation group D2
ANP32E	0,035188415	-1,34	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E
RABL3	0,025889635	-1,34	RAB, member of RAS oncogene family-like 3
WDR91	0,012768831	-1,34	WD repeat domain 91
C6orf25	0,038754116	-1,34	chromosome 6 open reading frame 25
IFT80	0,04272916	-1,34	intraflagellar transport 80
TMEM106B	0,03899335	-1,34	transmembrane protein 106B
TUBGCP4	0,011377838	-1,34	tubulin, gamma complex associated protein 4
MCM4	0,040576794	-1,34	minichromosome maintenance complex component 4
C12orf65	0,0148961	-1,34	chromosome 12 open reading frame 65
ANO10	0,035886512	-1,34	anoctamin 10
LOC286058	0,032451965	-1,33	uncharacterized LOC286058
RRP1B	0,034145192	-1,32	ribosomal RNA processing 1B
LOC284023	0,021343315	-1,32	uncharacterized LOC284023
ALG9	0,038436376	-1,32	ALG9, alpha-1,2-mannosyltransferase
SKP2	0,019437303	-1,32	S-phase kinase-associated protein 2, E3 ubiquitin protein ligase
CTPS2	0,049822679	-1,32	CTP synthase 2
C5orf42	0,022993709	-1,31	chromosome 5 open reading frame 42
MNS1	0,039439794	-1,31	meiosis-specific nuclear structural 1
ZNF766	0,030507412	-1,31	zinc finger protein 766
BPGM	0,032878606	-1,30	2,3-bisphosphoglycerate mutase
E2F6	0,049651938	-1,30	E2F transcription factor 6

Supplemental Table 3: LPS up regulated genes in CD16+ MDDCs

Symbol	adj. p	FC	description
CCL8	0,000677682	4,50308442	chemokine (C-C motif) ligand 8
LOC100507639	6,80E-07	3,21855039	uncharacterized LOC100507639
SIGLEC1	1,56E-09	3,13329865	sialic acid binding Ig-like lectin 1, sialoadhesin
MIR4439	0,002688544	3,05668516	microRNA 4439
SCIN	7,69E-06	2,84738199	scinderin
IL7R	0,012918023	2,27259981	interleukin 7 receptor
PLTP	0,000879659	2,26124204	phospholipid transfer protein
TNF	0,000348163	2,23862297	tumor necrosis factor
TNF	0,000348163	2,23862297	tumor necrosis factor
TNF	0,000348163	2,23862297	tumor necrosis factor
TNF	0,000348163	2,23862297	tumor necrosis factor
TNF	0,000348163	2,23862297	tumor necrosis factor
TNF	0,000348163	2,23862297	tumor necrosis factor
TNF	0,000348163	2,23862297	tumor necrosis factor
TNF	0,000518666	2,23486738	tumor necrosis factor
LOC644090	0,001087289	2,22539335	uncharacterized LOC644090
CFP	0,006639592	2,17943735	complement factor properdin
CLU	5,09E-05	2,16901214	clusterin
PAXIP1OS	2,21E-05	1,93972731	PAXIP1 opposite strand
ZNF876P	0,000922801	1,8900249	zinc finger protein 876, pseudogene
SNORD12C	0,000408488	1,83555893	small nucleolar RNA, C/D box 12C
C2	0,00010197	1,83236963	complement component 2
MIR331	0,004058197	1,81308173	microRNA 331
TMEM139	0,00026407	1,79657414	transmembrane protein 139
MAP3K8	0,003836354	1,79076549	mitogen-activated protein kinase kinase kinase 8
SNX10	0,000296299	1,76769641	sorting nexin 10
CXCL1	0,01039801	1,76015071	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)

IL18	0,003128375	1,71234122	interleukin 18
MIR544A	0,003109696	1,69905612	microRNA 544a
ARID5B	0,011988904	1,69493231	AT rich interactive domain 5B (MRF1-like)
H2AFY2	0,008305814	1,67483419	H2A histone family, member Y2
BCL11A	0,00357192	1,67295544	B-cell CLL/lymphoma 11A (zinc finger protein)
CTD-2270F17.1	0,000338803	1,66315114	uncharacterized LOC101928033
EPT1	0,000298243	1,65170358	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
ELL3	0,001040794	1,60099507	elongation factor RNA polymerase II-like 3
IRG1	0,001967929	1,59844173	immunoresponsive 1 homolog (mouse)
ZG16B	0,012141797	1,59682062	zymogen granule protein 16B
NIPAL1	0,002075607	1,59392558	NIPA-like domain containing 1
PRF1	0,003910422	1,57527365	perforin 1 (pore forming protein)
ANKRD36	0,009295741	1,57043233	ankyrin repeat domain 36
HORMAD1	0,003621411	1,55476078	HORMA domain containing 1
DHCR24	0,001569093	1,55149432	24-dehydrocholesterol reductase
B4GALT6	0,029790009	1,55068917	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 6
CENPI	0,000126771	1,54620488	centromere protein I
NUPR1	0,007466001	1,53073022	nuclear protein, transcriptional regulator, 1
SLC2A1	0,033277853	1,52644641	solute carrier family 2 (facilitated glucose transporter), member 1
CLIC3	0,001082505	1,5258458	chloride intracellular channel 3
SCML1	0,0018776	1,52176284	sex comb on midleg-like 1 (Drosophila)
MIR4463	0,000876066	1,51657936	microRNA 4463
C17orf96	0,002950107	1,51016979	chromosome 17 open reading frame 96
CADM1	0,003132244	1,50309467	cell adhesion molecule 1
PGA3	0,006117016	1,49969587	pepsinogen 3, group I (pepsinogen A)
FAM205B	0,002474454	1,49819013	transmembrane protein C9orf144B pseudogene
GOLGA8H	0,004561425	1,49116001	golgin A8 family, member H
P2RY8	0,039308578	1,48832973	purinergic receptor P2Y, G-protein coupled, 8
LPIN1	0,000540284	1,48349351	lipin 1

STAG3	0,001748159	1,48341968	stromal antigen 3
ARHGAP5	0,001421964	1,4831615	Rho GTPase activating protein 5
LPAR3	0,00220545	1,48181635	lysophosphatidic acid receptor 3
RIMBP3B	0,026419097	1,47997201	RIMS binding protein 3B
ZFAND6	0,02269288	1,47916708	zinc finger, AN1-type domain 6
VEZT	0,000262009	1,47575738	vezatin, adherens junctions transmembrane protein
RABAC1	0,000751744	1,47440425	Rab acceptor 1 (prenylated)
MIR449C	0,004192427	1,47352356	microRNA 449c
LOC101929057	0,008999451	1,46521468	uncharacterized LOC101929057
SLC50A1	0,004462298	1,45932297	solute carrier family 50 (sugar efflux transporter), member 1
MIR4772	0,003133619	1,45871236	microRNA 4772
PAM	0,028199043	1,45662318	peptidylglycine alpha-amidating monooxygenase
C9orf72	0,005348477	1,45006613	chromosome 9 open reading frame 72
SLFN12	0,000325185	1,44762908	schlafen family member 12
MVB12A	1,52E-05	1,44297847	multivesicular body subunit 12A
NOLC1	0,000568328	1,4408301	nucleolar and coiled-body phosphoprotein 1
SERPINF1	0,021264137	1,44030529	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1
CST7	0,010888214	1,43848121	cystatin F (leukocystatin)
PARP11	0,000857381	1,43458278	poly (ADP-ribose) polymerase family, member 11
KIAA1109	0,001424278	1,43422011	KIAA1109
ARIH2OS	7,51E-05	1,43275552	ariadne homolog 2 opposite strand
RNPS1	0,010445309	1,43168125	RNA binding protein S1, serine-rich domain
MPP5	0,001815788	1,43118765	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)
GK3P	0,017234296	1,43003179	glycerol kinase 3 pseudogene
ARHGAP25	0,000533648	1,42961735	Rho GTPase activating protein 25
OXER1	0,005464163	1,42709746	oxoeicosanoid (OXE) receptor 1
LOC100129781	0,003356043	1,42617815	uncharacterized LOC100129781
STARD5	0,046075743	1,42616515	StAR-related lipid transfer (START) domain containing 5
OR56B1	0,025072828	1,42394059	olfactory receptor, family 56, subfamily B, member 1

ADPRM	0,005416828	1,4230329	ADP-ribose/CDP-alcohol diphosphatase, manganese-dependent
RND3	0,022332021	1,42139362	Rho family GTPase 3
ZFYVE26	0,000166252	1,42123403	zinc finger, FYVE domain containing 26
NPPA	0,000467566	1,42033926	natriuretic peptide A
AIDA	0,000718288	1,41722541	axin interactor, dorsalization associated
CTPS2	0,000456172	1,41633478	CTP synthase 2
MIR3188	0,015275612	1,41481707	microRNA 3188
TPI1P2	0,028116217	1,41474728	triosephosphate isomerase 1 pseudogene 2
LOC100190986	0,049402386	1,4145766	uncharacterized LOC100190986
MIR4299	0,003415548	1,41432602	microRNA 4299
MIR3945	0,000809506	1,41399096	microRNA 3945
GRHL1	0,009316438	1,41370092	grainyhead-like 1 (Drosophila)
LILRA5	0,016874502	1,41294545	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 5
KCNMB3	0,009919811	1,41059707	potassium large conductance calcium-activated channel, subfamily M beta member 3
EXD2	0,000300349	1,41051348	exonuclease 3'-5' domain containing 2
BLZF1	0,007478875	1,40902083	basic leucine zipper nuclear factor 1
TLCD2	0,002293498	1,4081406	TLC domain containing 2
PCYT2	0,001057193	1,40752269	phosphate cytidylyltransferase 2, ethanolamine
TMCO5B	0,001484452	1,40344728	transmembrane and coiled-coil domains 5B, pseudogene
TMEM182	0,001355041	1,40297926	transmembrane protein 182
FBXO48	0,001822945	1,40281935	F-box protein 48
CASP10	0,006759615	1,40276064	caspase 10, apoptosis-related cysteine peptidase
ZC2HC1A	0,015727397	1,39928268	zinc finger, C2HC-type containing 1A
LOC399815	0,002365799	1,39918071	chromosome 10 open reading frame 88 pseudogene
LOC100506317	0,000243574	1,39625043	uncharacterized LOC100506317
FAM76B	0,000317673	1,39498332	family with sequence similarity 76, member B
MAGOH	0,024356316	1,39455538	mago-nashi homolog, proliferation-associated (Drosophila)
LOC100506606	0,024989857	1,39161976	uncharacterized LOC100506606
C9orf153	0,006308072	1,39140709	chromosome 9 open reading frame 153

SLC13A5	0,001938215	1,38995217	solute carrier family 13 (sodium-dependent citrate transporter), member 5
FAM63B	0,023515223	1,38783324	family with sequence similarity 63, member B
CNNM4	0,003724751	1,38560503	cyclin and CBS domain divalent metal cation transport mediator 4
AKT1S1	0,017440698	1,3849948	AKT1 substrate 1 (proline-rich)
PHLDB3	0,006056815	1,38142824	pleckstrin homology-like domain, family B, member 3
XRCC6BP1	0,007903342	1,37933298	XRCC6 binding protein 1
MIR135A2	0,001560857	1,37827315	microRNA 135a-2
LNX2	0,00204894	1,37824755	ligand of numb-protein X 2
ADAMTS4	0,022672526	1,37753998	ADAM metallopeptidase with thrombospondin type 1 motif, 4
NHLRC2	0,000303706	1,37607056	NHL repeat containing 2
CCDC71	0,000559841	1,37606713	coiled-coil domain containing 71
RHOB	0,016092785	1,3758662	ras homolog family member B
FLJ32255	0,019429315	1,37378364	uncharacterized LOC643977
GOLGA2P9	0,002644164	1,37363144	golgin A2 pseudogene 9
LOC100128751	0,025038245	1,37331492	INM04
CPLX3	0,002484241	1,37296903	complexin 3
MIRLET7D	0,017335194	1,37223456	microRNA let-7d
MIR329-2	0,013479932	1,37186494	microRNA 329-2
KRTAP5-3	0,040136833	1,37096191	keratin associated protein 5-3
RAB39B	0,000610317	1,37039579	RAB39B, member RAS oncogene family
MAATS1	4,26E-05	1,37027756	MYCBP-associated, testis expressed 1
YME1L1	0,006167815	1,36981296	YME1-like 1 ATPase
CXorf28	0,043616562	1,36866982	chromosome X open reading frame 28
MORC3	0,028263738	1,36671522	MORC family CW-type zinc finger 3
LOC100288842	0,005655877	1,3654556	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5 pseudogene
CHI3L2	0,014971058	1,36467808	chitinase 3-like 2
LINC01191	0,041781767	1,36459141	long intergenic non-protein coding RNA 1191
ZNF462	0,011626437	1,36332504	zinc finger protein 462
ARMCX1	0,028160031	1,36248503	armadillo repeat containing, X-linked 1

FIGNL1	0,017637373	1,35959347	fidgetin-like 1
MIR4768	0,007391045	1,35843762	microRNA 4768
LINC01029	0,040338523	1,35759967	long intergenic non-protein coding RNA 1029
NIPSNAP3B	0,028271625	1,35747209	nipsnap homolog 3B (C. elegans)
SPDYE4	0,037563307	1,35551325	speedy/RINGO cell cycle regulator family member E4
TMEM222	0,000194021	1,35444662	transmembrane protein 222
CYP4F24P	0,038902246	1,3537105	cytochrome P450, family 4, subfamily F, polypeptide 24, pseudogene
C11orf57	0,027154449	1,35308729	chromosome 11 open reading frame 57
SLC6A9	0,009195176	1,35251984	solute carrier family 6 (neurotransmitter transporter, glycine), member 9
UHRF2	0,002758212	1,35117278	ubiquitin-like with PHD and ring finger domains 2, E3 ubiquitin protein ligase
CDADC1	0,002028727	1,35107715	cytidine and dCMP deaminase domain containing 1
ADA	0,00985111	1,35004476	adenosine deaminase
KIAA1407	0,005048555	1,35002583	KIAA1407
LINC00987	0,011978089	1,34977712	long intergenic non-protein coding RNA 987
CLDN17	0,001283796	1,34923821	claudin 17
TUBA1B	0,025814961	1,34760267	tubulin, alpha 1b
TNIP3	0,049660959	1,34752035	TNFAIP3 interacting protein 3
C1orf147	0,002394686	1,34704972	chromosome 1 open reading frame 147
ADPRHL2	0,005058735	1,34662944	ADP-ribosylhydrolase like 2
OR2T2	0,010281598	1,3463376	olfactory receptor, family 2, subfamily T, member 2
TBPL1	0,003175773	1,34566441	TBP-like 1
GNG11	0,016612336	1,34523783	guanine nucleotide binding protein (G protein), gamma 11
MC3R	0,001737901	1,34492426	melanocortin 3 receptor
OR7E156P	0,008572627	1,34432461	olfactory receptor, family 7, subfamily E, member 156 pseudogene
TM7SF2	0,006162234	1,34319153	transmembrane 7 superfamily member 2
DMTF1	0,011543145	1,34297338	cyclin D binding myb-like transcription factor 1
LINC00334	0,007700963	1,34272733	long intergenic non-protein coding RNA 334
MPV17L	0,004158699	1,34254481	MPV17 mitochondrial membrane protein-like
LOC339622	0,002104478	1,34241337	uncharacterized LOC339622

LOC100129138	0,048619287	1,34185469	THAP domain containing, apoptosis associated protein 3 pseudogene
GINS1	0,01308078	1,34169483	GINS complex subunit 1 (Psf1 homolog)
SASS6	0,01314431	1,34047361	spindle assembly 6 homolog (C. elegans)
POLN	0,001576956	1,34016431	polymerase (DNA directed) nu
MIR299	0,001016493	1,33984359	microRNA 299
TMEM139	0,001674462	1,33932864	transmembrane protein 139
TBK1	0,00030199	1,338563	TANK-binding kinase 1
FAM212A	0,003342161	1,33841149	family with sequence similarity 212, member A
LOC101927056	0,03498659	1,33835442	uncharacterized LOC101927056
HLA-F-AS1	0,041469515	1,33788095	HLA-F antisense RNA 1
FRK	0,012979768	1,33787199	fyn-related Src family tyrosine kinase
LOC727896	0,006903022	1,33637582	cysteine and histidine-rich domain (CHORD) containing 1 pseudogene
C6orf132	0,003459234	1,33624557	chromosome 6 open reading frame 132
JMJD1C-AS1	0,005226981	1,33477065	JMJD1C antisense RNA 1
LMAN2L	0,002676439	1,33396407	lectin, mannose-binding 2-like
TIMM8B	0,002643197	1,33293887	translocase of inner mitochondrial membrane 8 homolog B (yeast)
RNF144B	0,016834267	1,33255835	ring finger protein 144B
MTBP	0,022923592	1,33009826	MDM2 binding protein
KDM4D	0,012734482	1,32979186	lysine (K)-specific demethylase 4D
FAM127A	0,002008726	1,32922401	family with sequence similarity 127, member A
MACF1	0,020785437	1,32846746	microtubule-actin crosslinking factor 1
TPBG	0,023742368	1,32821424	trophoblast glycoprotein
CEP192	0,015570205	1,32785986	centrosomal protein 192kDa
SCPEP1	0,008903403	1,32734799	serine carboxypeptidase 1
RPARP-AS1	0,02356728	1,32712918	RPARP antisense RNA 1
MAB21L2	0,003172586	1,32700495	mab-21-like 2 (C. elegans)
ARL4A	0,009127043	1,32593625	ADP-ribosylation factor-like 4A
C8orf31	0,015657447	1,32586317	chromosome 8 open reading frame 31
PERP	0,005289507	1,32492006	PERP, TP53 apoptosis effector

TRIM49	0,023104814	1,32390769	tripartite motif containing 49
UBTFL1	0,043912478	1,32311609	upstream binding transcription factor, RNA polymerase I-like 1
PDCD5	0,007825866	1,32275029	programmed cell death 5
HEXDC	0,002103952	1,3226796	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing
OXCT1	0,011888616	1,32214786	3-oxoacid CoA transferase 1
KATNAL1	0,019026725	1,32157834	katanin p60 subunit A-like 1
LOC100128988	0,017471506	1,31872921	uncharacterized LOC100128988
MIR1295A	0,010084622	1,31843057	microRNA 1295a
RNU6-76P	0,034336522	1,31807904	RNA, U6 small nuclear 76, pseudogene
C21orf91-OT1	0,034047669	1,31804959	C21orf91 overlapping transcript 1
RPGRIP1	0,031354751	1,31790352	retinitis pigmentosa GTPase regulator interacting protein 1
C14orf28	0,009288773	1,31690027	chromosome 14 open reading frame 28
RUSC1	0,002348714	1,31619763	RUN and SH3 domain containing 1
SLC25A2	0,004876591	1,31563187	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 2
SLC35B3	0,000240629	1,31529539	solute carrier family 35 (adenosine 3'-phospho 5'-phosphosulfate transporter), member B3
UBB	0,016154501	1,31432922	ubiquitin B
LCN10	0,006097507	1,31431496	lipocalin 10
C19orf54	0,016752829	1,31355315	chromosome 19 open reading frame 54
LINC00607	0,030921136	1,31248497	long intergenic non-protein coding RNA 607
C20orf85	0,007591554	1,31205354	chromosome 20 open reading frame 85
CHAF1B	0,000478723	1,31063724	chromatin assembly factor 1, subunit B (p60)
TCF7	0,002886223	1,31035715	transcription factor 7 (T-cell specific, HMG-box)
ORAI1	0,001321413	1,30976869	ORAI calcium release-activated calcium modulator 1
PRRT2	0,025165098	1,30975896	proline-rich transmembrane protein 2
SLC14A2	0,000214028	1,30909061	solute carrier family 14 (urea transporter), member 2
SVIP	0,007984599	1,30889229	small VCP/p97-interacting protein
DND1	0,002291722	1,30886431	DND microRNA-mediated repression inhibitor 1
DND1	0,002291722	1,30886431	DND microRNA-mediated repression inhibitor 1
VDR	0,011707214	1,30876577	vitamin D (1,25- dihydroxyvitamin D3) receptor

SLA2	0,039026675	1,30874877	Src-like-adaptor 2
METTL3	0,002766495	1,3086095	methyltransferase like 3
LINC01133	0,010802345	1,30858583	long intergenic non-protein coding RNA 1133
HCG27	0,011228806	1,30815236	HLA complex group 27 (non-protein coding)
RAB9B	0,015459022	1,30811121	RAB9B, member RAS oncogene family
SLC7A11-AS1	0,02808087	1,30708568	SLC7A11 antisense RNA 1
LINC00605	0,000397355	1,30634243	long intergenic non-protein coding RNA 605
KRTAP4-5	0,024699045	1,30621681	keratin associated protein 4-5
PSMB9	0,000970699	1,3061081	proteasome (prosome, macropain) subunit, beta type, 9
PSMB9	0,000970699	1,3061081	proteasome (prosome, macropain) subunit, beta type, 9
PSMB9	0,000970699	1,3061081	proteasome (prosome, macropain) subunit, beta type, 9
FAM163A	0,002479577	1,30594872	family with sequence similarity 163, member A
KRTAP27-1	0,006785645	1,30518504	keratin associated protein 27-1
MTUS2-AS1	0,004660295	1,3048128	MTUS2 antisense RNA 1
LOC285740	0,003100162	1,30463468	uncharacterized LOC285740
CCDC115	0,028745079	1,30435386	coiled-coil domain containing 115
METTL6	0,038974863	1,30375592	methyltransferase like 6
TRIM35	0,005609546	1,30347307	tripartite motif containing 35
CDRT15	0,005867779	1,30344852	CMT1A duplicated region transcript 15
ADM	0,004850017	1,30343521	adrenomedullin
TMED1	0,002420481	1,30322357	transmembrane emp24 protein transport domain containing 1
SLCO3A1	0,001152535	1,30318418	solute carrier organic anion transporter family, member 3A1
NANOS1	0,004439153	1,30317821	nanos homolog 1 (Drosophila)
OTOL1	0,043359125	1,30308559	otolin 1
POU3F4	0,001604928	1,30292297	POU class 3 homeobox 4
TRPA1	0,004939931	1,30261283	transient receptor potential cation channel, subfamily A, member 1
GFAP	0,003350966	1,30217121	glial fibrillary acidic protein
MIR4534	0,047311812	1,30205225	microRNA 4534
TRIM46	0,000598968	1,3016715	tripartite motif containing 46

B3GALT6	0,001121245	1,30166005	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6
RNASEH2A	0,000540036	1,30020596	ribonuclease H2, subunit A

Supplemental Table 4: LPS down regulated genes in CD16+ MDDCs

Symbol	adj. p	FC	description
LPL	1,45E-05	-2,767835456	lipoprotein lipase
OCSTAMP	6,23E-06	-2,589996962	osteoclast stimulatory transmembrane protein
SPP1	0,03095551	-2,541131005	secreted phosphoprotein 1
ETV5	1,89E-05	-2,304477335	ets variant 5
ROCK1P1	0,04485881	-2,173537359	Rho-associated, coiled-coil containing protein kinase 1 pseudogene 1
GPC4	0,00091243	-2,149332855	glypican 4
CLEC19A	0,00085757	-2,127651351	C-type lectin domain family 19, member A
MERTK	2,99E-05	-2,09909593	MER proto-oncogene, tyrosine kinase
USP17L15	0,00909561	-2,003262907	ubiquitin specific peptidase 17-like family member 15
PTGFRN	0,01085785	-1,947670803	prostaglandin F2 receptor inhibitor
ERRFI1	0,00969738	-1,900857411	ERBB receptor feedback inhibitor 1
CHST15	0,001047	-1,889141366	carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15
PHLDA1	0,00024822	-1,88760527	pleckstrin homology-like domain, family A, member 1
ZNF93	0,00035721	-1,839240326	zinc finger protein 93
MYO1E	1,83E-06	-1,82935744	myosin IE
MIR548I3	0,00643356	-1,827073321	microRNA 548i-3
ACPP	0,00616781	-1,805166416	acid phosphatase, prostate
PITPNC1	2,87E-05	-1,789625705	phosphatidylinositol transfer protein, cytoplasmic 1
TNC	0,00998483	-1,773834789	tenascin C
DOCK3	0,00010218	-1,773193428	dedicator of cytokinesis 3
KLHL6	7,16E-07	-1,766955699	kelch-like family member 6
SORL1	0,0008654	-1,756984151	sortilin-related receptor, L(DLR class) A repeats containing
CD109	0,0078581	-1,726730047	CD109 molecule
SLC7A7	0,00077657	-1,724754487	solute carrier family 7 (amino acid transporter light chain, y+L system), member 7
KBTBD8	0,00115357	-1,718505267	kelch repeat and BTB (POZ) domain containing 8
CASS4	0,02783237	-1,710842942	Cas scaffolding protein family member 4
PDGFC	0,03393946	-1,71076994	platelet derived growth factor C

USP41	0,01172528	-1,703178767	ubiquitin specific peptidase 41
OR6C75	0,00858284	-1,698684981	olfactory receptor, family 6, subfamily C, member 75
SLC4A7	0,00054004	-1,685318218	solute carrier family 4, sodium bicarbonate cotransporter, member 7
TLR3	0,04515105	-1,670996061	toll-like receptor 3
ITGAE	2,41E-05	-1,663857212	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide)
CA2	0,01680938	-1,651272024	carbonic anhydrase II
MCOLN3	0,0003328	-1,647066127	mucolipin 3
TMC8	1,98E-06	-1,632243452	transmembrane channel-like 8
DDIAS	0,00026019	-1,629439188	DNA damage-induced apoptosis suppressor
LOC286437	0,00074699	-1,617238243	uncharacterized LOC286437
TRPM2	0,00014847	-1,615868901	transient receptor potential cation channel, subfamily M, member 2
CAPNS2	0,00592599	-1,612717079	calpain, small subunit 2
GNGT2	0,00047569	-1,611779083	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 2
MSR1	0,01074165	-1,610011423	macrophage scavenger receptor 1
CIART	0,00054115	-1,60893289	circadian associated repressor of transcription
STRBP	5,62E-05	-1,60296165	spermatid perinuclear RNA binding protein
LOC200772	3,69E-06	-1,582275525	uncharacterized LOC200772
MCTS2P	0,0288248	-1,572756407	malignant T cell amplified sequence 2, pseudogene
GPBAR1	0,00043258	-1,567043102	G protein-coupled bile acid receptor 1
CABP4	2,28E-06	-1,564294382	calcium binding protein 4
ABCA1	0,00068874	-1,559372546	ATP-binding cassette, sub-family A (ABC1), member 1
ITGAV	0,03318706	-1,558348388	integrin, alpha V
CC2D2B	0,00777518	-1,552823387	coiled-coil and C2 domain containing 2B
MIR767	0,00085787	-1,551370604	microRNA 767
NT5DC3	0,02564173	-1,544419855	5'-nucleotidase domain containing 3
RFPL4AL1	0,01593782	-1,542855399	ret finger protein-like 4A-like 1
BEST1	8,88E-05	-1,542374843	bestrophin 1
DTNB	0,0009947	-1,53845844	dystrobrevin, beta
TMEM2	0,01766924	-1,5382591	transmembrane protein 2

SAMD4A	0,00211276	-1,534009515	sterile alpha motif domain containing 4A
ZNF506	0,0064358	-1,532600974	zinc finger protein 506
PDLIM7	7,31E-05	-1,530595215	PDZ and LIM domain 7 (enigma)
LOC100289533	4,17E-05	-1,528812729	uncharacterized LOC100289533
KLF10	0,01241298	-1,524333691	Kruppel-like factor 10
RPL13AP20	7,53E-05	-1,518787654	ribosomal protein L13a pseudogene 20
CYYR1	0,03635987	-1,515970499	cysteine/tyrosine-rich 1
TMEM14A	0,01700151	-1,514465328	transmembrane protein 14A
HIST2H2AB	0,01257951	-1,513294705	histone cluster 2, H2ab
LSM6	0,00185826	-1,509069372	LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae)
ZMAT3	0,00046352	-1,501822135	zinc finger, matrin-type 3
MIR378E	0,01054676	-1,499222371	microRNA 378e
SIPA1L3	0,00078799	-1,495177211	signal-induced proliferation-associated 1 like 3
TMEM26	0,00303843	-1,494919543	transmembrane protein 26
FCGR3A	0,02131883	-1,491852254	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)
ZNF573	0,00485774	-1,491576442	zinc finger protein 573
GPR174	0,03696092	-1,491536513	G protein-coupled receptor 174
MBP	0,00019967	-1,488236815	myelin basic protein
ABCC1	0,00112125	-1,486476205	ATP-binding cassette, sub-family C (CFTR/MRP), member 1
APP	0,00624143	-1,486164835	amyloid beta (A4) precursor protein
ZNF486	0,00654548	-1,483094724	zinc finger protein 486
RPL23AP53	0,00240467	-1,474397589	ribosomal protein L23a pseudogene 53
C10orf54	0,00305245	-1,473892197	chromosome 10 open reading frame 54
PMEPA1	0,01446822	-1,471361271	prostate transmembrane protein, androgen induced 1
MIR4727	0,02675053	-1,471169142	microRNA 4727
POLR2J	0,00321913	-1,466780823	polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa
BCAT1	0,02112882	-1,465779343	branched chain amino-acid transaminase 1, cytosolic
EPS8	0,00432769	-1,46432336	epidermal growth factor receptor pathway substrate 8
LINC00965	0,01038609	-1,463692782	long intergenic non-protein coding RNA 965

CATSPER1	0,00177752	-1,463457721	cation channel, sperm associated 1
TMEM51	0,02809101	-1,453360029	transmembrane protein 51
ETS1	0,02398809	-1,453231844	v-ets avian erythroblastosis virus E26 oncogene homolog 1
MOSPD2	9,35E-05	-1,437653439	motile sperm domain containing 2
RPS18	0,00242988	-1,436886276	ribosomal protein S18
ZNF563	0,0378406	-1,43532342	zinc finger protein 563
CCDC102B	0,01578904	-1,434745931	coiled-coil domain containing 102B
FMNL2	0,00076394	-1,433413614	formin-like 2
STIP1	2,41E-06	-1,426678087	stress-induced phosphoprotein 1
DEPTOR	0,01941812	-1,423095889	DEP domain containing MTOR-interacting protein
LPP-AS2	0,01203021	-1,420107746	LPP antisense RNA 2
C20orf27	0,00081695	-1,419306135	chromosome 20 open reading frame 27
PPM1H	0,00044484	-1,419017954	protein phosphatase, Mg2+/Mn2+ dependent, 1H
TGFB2	0,00768879	-1,4187548	transforming growth factor, beta 2
EIF1B	0,0051165	-1,417848776	eukaryotic translation initiation factor 1B
ZNF554	0,03620556	-1,416067229	zinc finger protein 554
TTC3P1	0,00263791	-1,414525558	tetratricopeptide repeat domain 3 pseudogene 1
RPS6KA2	0,00017091	-1,413966335	ribosomal protein S6 kinase, 90kDa, polypeptide 2
C11orf24	0,00573984	-1,412918295	chromosome 11 open reading frame 24
LOC100128668	0,0023815	-1,410917733	uncharacterized LOC100128668
FLJ43681	0,0086524	-1,41013873	ribosomal protein L23a pseudogene
RAB40B	0,00458733	-1,409409354	RAB40B, member RAS oncogene family
LOC115110	7,44E-05	-1,406740333	uncharacterized LOC115110
DNMT3A	0,00161184	-1,406347556	DNA (cytosine-5-)-methyltransferase 3 alpha
ZNF630	0,0288199	-1,406129781	zinc finger protein 630
SNORD116-15	0,03638432	-1,40342283	small nucleolar RNA, C/D box 116-15
PRR34	0,00013951	-1,402597457	proline rich 34
HIST1H1C	0,00771831	-1,401399629	histone cluster 1, H1c
ZNF714	0,04123948	-1,400777069	zinc finger protein 714

HEBP1	0,03454867	-1,400247992	heme binding protein 1
GOLM1	0,03261581	-1,399902144	golgi membrane protein 1
SLC28A3	0,00027346	-1,399095708	solute carrier family 28 (concentrative nucleoside transporter), member 3
ZRSR2	0,01110222	-1,398382568	zinc finger (CCCH type), RNA-binding motif and serine/arginine rich 2
LOC151475	0,02239145	-1,397677071	uncharacterized LOC151475
UBAC2	0,00060294	-1,397438285	UBA domain containing 2
POLA1	0,00236315	-1,391149023	polymerase (DNA directed), alpha 1, catalytic subunit
IGF2BP2	0,02436553	-1,387772643	insulin-like growth factor 2 mRNA binding protein 2
LOC100132352	0,01969596	-1,385635903	FSHD region gene 1 pseudogene
RASAL2	0,00426038	-1,383971719	RAS protein activator like 2
LOC100128508	0,01344749	-1,383728703	PP12100
RASSF1	0,00378103	-1,381014636	Ras association (RalGDS/AF-6) domain family member 1
LINC01422	0,01353779	-1,380835836	long intergenic non-protein coding RNA 1422
PLCXD1	4,42E-05	-1,378882889	phosphatidylinositol-specific phospholipase C, X domain containing 1
LGALSL	0,0171219	-1,377399382	lectin, galactoside-binding-like
ZNF329	0,00048835	-1,377347153	zinc finger protein 329
MCM6	0,00104519	-1,375834802	minichromosome maintenance complex component 6
MEF2D	3,02E-05	-1,374959944	myocyte enhancer factor 2D
PSG5	0,0462449	-1,373082339	pregnancy specific beta-1-glycoprotein 5
CD81	3,12E-05	-1,373079554	CD81 molecule
FKBP7	0,00111184	-1,373066382	FK506 binding protein 7
LINC00977	0,00824352	-1,372922145	long intergenic non-protein coding RNA 977
PGBD5	0,00307163	-1,37249649	piggyBac transposable element derived 5
CAMKK1	0,00120633	-1,372258221	calcium/calmodulin-dependent protein kinase kinase 1, alpha
RNF122	0,00013911	-1,371486106	ring finger protein 122
METTL7B	0,04378063	-1,370175082	methyltransferase like 7B
CD28	0,0038606	-1,365171351	CD28 molecule
MIR548J	0,04888486	-1,362195555	microRNA 548j
C10orf131	0,02128807	-1,361643004	chromosome 10 open reading frame 131

LOC100505909	0,00339507	-1,361634687	uncharacterized LOC100505909
ZNF100	0,00830115	-1,360626918	zinc finger protein 100
OR10J1	0,00249264	-1,360158162	olfactory receptor, family 10, subfamily J, member 1
FERMT1	0,01263924	-1,359807928	fermitin family member 1
AP4B1-AS1	0,00068333	-1,359724489	AP4B1 antisense RNA 1
GPRC5D	0,03970039	-1,359361543	G protein-coupled receptor, class C, group 5, member D
RPL22L1	0,00760461	-1,359054019	ribosomal protein L22-like 1
ZMYND11	0,0031097	-1,357443834	zinc finger, MYND-type containing 11
TULP4	0,01633409	-1,356576944	tubby like protein 4
CPB2	0,00982924	-1,356481751	carboxypeptidase B2 (plasma)
SLC35G6	0,04003482	-1,355437873	solute carrier family 35, member G6
MEP1A	0,01824132	-1,355247772	meprin A, alpha (PABA peptide hydrolase)
EXOC5	0,03780551	-1,354600455	exocyst complex component 5
LOC283440	0,0044623	-1,354477928	uncharacterized LOC283440
MAP1LC3C	0,01127859	-1,354420087	microtubule-associated protein 1 light chain 3 gamma
TSPAN4	0,00092616	-1,353699233	tetraspanin 4
DUXA	0,00184294	-1,353565153	double homeobox A
MIR181B1	0,04930392	-1,352451053	microRNA 181b-1
ZNF697	0,00032597	-1,351048858	zinc finger protein 697
ABHD12	0,00166172	-1,347679169	abhydrolase domain containing 12
XPNPEP3	0,00185256	-1,347571653	X-prolyl aminopeptidase (aminopeptidase P) 3, putative
SNORD66	0,00666451	-1,346771503	small nucleolar RNA, C/D box 66
RNF128	0,0114907	-1,346559681	ring finger protein 128, E3 ubiquitin protein ligase
FLNA	0,00152707	-1,344468361	filamin A, alpha
PLD4	0,01339988	-1,343660235	phospholipase D family, member 4
CALCR	0,0068943	-1,341941617	calcitonin receptor
NMD3	0,00563024	-1,341767396	NMD3 ribosome export adaptor
ELF5	0,00080689	-1,3415979	E74-like factor 5 (ets domain transcription factor)
ZNF112	0,02563608	-1,340069657	zinc finger protein 112

GAS6	0,00134589	-1,339358488	growth arrest-specific 6
SORBS1	0,01340506	-1,339207738	sorbin and SH3 domain containing 1
C19orf10	0,00041505	-1,338863543	chromosome 19 open reading frame 10
HCG8	0,0462445	-1,338584813	HLA complex group 8
TPTEP1	0,03562986	-1,335602498	transmembrane phosphatase with tensin homology pseudogene 1
LOC400541	0,0357821	-1,334685096	uncharacterized LOC400541
ZNF274	0,00022858	-1,334329973	zinc finger protein 274
LRRC3C	0,04349534	-1,333973274	leucine rich repeat containing 3C
TMEM130	0,00678185	-1,333570174	transmembrane protein 130
PICALM	0,00037943	-1,332819122	phosphatidylinositol binding clathrin assembly protein
LOC101927924	0,00014644	-1,332772041	uncharacterized LOC101927924
LONRF3	0,00356496	-1,332120969	LON peptidase N-terminal domain and ring finger 3
RPL39	0,00341134	-1,331457406	ribosomal protein L39
LOC641746	0,03747659	-1,331260748	glycine cleavage system protein H (aminomethyl carrier) pseudogene
BZW2	0,02523498	-1,331232804	basic leucine zipper and W2 domains 2
USP13	0,01053687	-1,329461897	ubiquitin specific peptidase 13 (isopeptidase T-3)
ZNF551	0,01817184	-1,329188449	zinc finger protein 551
FAM138C	0,01594365	-1,328263023	family with sequence similarity 138, member C
MTMR12	0,00166582	-1,32682117	myotubularin related protein 12
ALG10	0,01068316	-1,326211804	ALG10, alpha-1,2-glucosyltransferase
TXNRD1	0,03299491	-1,325874472	thioredoxin reductase 1
HOOK3	0,00171357	-1,325187718	hook microtubule-tethering protein 3
NBR2	0,00101717	-1,323845166	neighbor of BRCA1 gene 2 (non-protein coding)
LDOC1L	0,00319076	-1,323777071	leucine zipper, down-regulated in cancer 1-like
SUN2	0,04761981	-1,322769191	Sad1 and UNC84 domain containing 2
MAPKAPK5	0,0005277	-1,321248357	mitogen-activated protein kinase-activated protein kinase 5
PLEKHA6	0,00720102	-1,320395827	pleckstrin homology domain containing, family A member 6
LRIG1	0,00752621	-1,320199183	leucine-rich repeats and immunoglobulin-like domains 1
PIAS2	0,02730918	-1,316146378	protein inhibitor of activated STAT, 2

AGO2	0,00794925	-1,315537084	argonaute RISC catalytic component 2
STK39	0,00537462	-1,314907934	serine threonine kinase 39
HDAC9	0,00323155	-1,314334705	histone deacetylase 9
ATR	0,00833876	-1,313374595	ATR serine/threonine kinase
MIG7	0,04731482	-1,313212354	mig-7
ADAM1A	0,03478149	-1,312780711	ADAM metallopeptidase domain 1A, pseudogene
MIEF1	0,0035842	-1,310305086	mitochondrial elongation factor 1
RPL22	0,00096707	-1,307874834	ribosomal protein L22
CCDC28A	0,00040235	-1,307743974	coiled-coil domain containing 28A
RPTOR	0,00024114	-1,307634484	regulatory associated protein of MTOR, complex 1
HECA	0,00427652	-1,307162743	headcase homolog (Drosophila)
CBX3	0,01233404	-1,307154722	chromobox homolog 3
LOC729987	0,02242553	-1,305303565	uncharacterized LOC729987
C1orf180	0,01935646	-1,304697746	chromosome 1 open reading frame 180
IL1RL2	0,03583293	-1,304657408	interleukin 1 receptor-like 2
LOC100507316	0,01761792	-1,302911727	uncharacterized LOC100507316
ZNF677	0,01139516	-1,302631674	zinc finger protein 677
LINC00470	0,00433167	-1,302597005	long intergenic non-protein coding RNA 470
ESF1	0,02052807	-1,301846584	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)
GCSHP3	0,01642234	-1,300148285	glycine cleavage system protein H (aminomethyl carrier) pseudogene 3

Supplemental Table 5: LPS up regulated genes in CD16- MDDCs

Symbol	adj. p	FC	description
MMP10	0,00010874	9,84407272	matrix metallopeptidase 10 (stromelysin 2)
MMP1	0,00121759	6,53092248	matrix metallopeptidase 1 (interstitial collagenase)
TGM2	0,00050368	3,6065825	transglutaminase 2
NCCRP1	5,67E-05	3,45171634	non-specific cytotoxic cell receptor protein 1 homolog (zebrafish)
TNFRSF11A	0,00020385	2,7021087	tumor necrosis factor receptor superfamily, member 11a, NFKB activator
IL1A	0,03703324	2,44590278	interleukin 1, alpha
DCLK2	0,00037846	2,36559735	doublecortin-like kinase 2
TMEM176B	0,03647502	2,31916068	transmembrane protein 176B
LAMC2	0,00181119	2,20642343	laminin, gamma 2
FAM13A	4,55E-06	2,15766995	family with sequence similarity 13, member A
ROBO1	0,02104274	2,08560438	roundabout, axon guidance receptor, homolog 1 (Drosophila)
ZNF608	5,36E-07	2,07076125	zinc finger protein 608
TBC1D9	3,54E-06	1,99345149	TBC1 domain family, member 9 (with GRAM domain)
HSD52	4,03E-05	1,96331694	uncharacterized LOC729467
LAMP1	0,00508357	1,94399198	lysosomal-associated membrane protein 1
GBP6	0,00628319	1,94096415	guanylate binding protein family, member 6
MMP8	0,01799375	1,91456843	matrix metallopeptidase 8 (neutrophil collagenase)
CSRP2	1,25E-05	1,8870485	cysteine and glycine-rich protein 2
DSC2	0,00019583	1,87071869	desmocollin 2
DLGAP1-AS2	0,00023045	1,83974752	DLGAP1 antisense RNA 2
CHD7	7,45E-07	1,82730927	chromodomain helicase DNA binding protein 7
RGS2	0,00133739	1,81602648	regulator of G-protein signaling 2
SULT1C4	0,00123928	1,81321328	sulfotransferase family, cytosolic, 1C, member 4
FBN1	1,00E-10	1,81276053	fibrillin 1
SLC16A9	0,01563733	1,80138643	solute carrier family 16, member 9
ALDH1L2	0,00041277	1,79277009	aldehyde dehydrogenase 1 family, member L2
CEP70	9,61E-05	1,79005838	centrosomal protein 70kDa

IL1RN	0,00553958	1,78359072	interleukin 1 receptor antagonist
FOXD4	0,03462564	1,74482951	forkhead box D4
TREM1	0,03212097	1,72862125	triggering receptor expressed on myeloid cells 1
SNORA70C	0,00669115	1,72008043	small nucleolar RNA, H/ACA box 70C
LUM	0,00056495	1,71889576	lumican
TLE1	0,00218665	1,71686285	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)
URAD	2,52E-05	1,70391898	ureidoimidazoline (2-oxo-4-hydroxy-4-carboxy-5-) decarboxylase
IL31RA	0,00119256	1,70227019	interleukin 31 receptor A
SEL1L3	0,03400768	1,69089625	sel-1 suppressor of lin-12-like 3 (C. elegans)
PTPRG	0,00261407	1,6894293	protein tyrosine phosphatase, receptor type, G
YBX3P1	0,0005595	1,68715273	Y box binding protein 3 pseudogene 1
AMOT	0,00553184	1,67132484	angiomotin
MALT1	0,00218712	1,66513949	mucosa associated lymphoid tissue lymphoma translocation gene 1
RNU6-55P	0,0065015	1,66329444	RNA, U6 small nuclear 55, pseudogene
NBEAL2	3,01E-05	1,65731248	neurobeachin-like 2
TUBAL3	0,00056838	1,65468545	tubulin, alpha-like 3
ZFP69B	3,00E-07	1,65207388	ZFP69 zinc finger protein B
LYPD1	0,00081913	1,64928888	LY6/PLAUR domain containing 1
LOC100130476	0,00033461	1,643935	uncharacterized LOC100130476
RET	1,58E-05	1,64011425	ret proto-oncogene
BAALC	0,00051687	1,63865504	brain and acute leukemia, cytoplasmic
ENPP6	0,00030621	1,6375102	ectonucleotide pyrophosphatase/phosphodiesterase 6
OSBPL3	0,00153562	1,63565664	oxysterol binding protein-like 3
ALCAM	0,01302005	1,63489501	activated leukocyte cell adhesion molecule
BHLHA15	2,55E-05	1,63310778	basic helix-loop-helix family, member a15
PTP4A3	0,00474589	1,6296168	protein tyrosine phosphatase type IVA, member 3
PPARG	0,02326198	1,61789582	peroxisome proliferator-activated receptor gamma
METTL1	0,00222099	1,60564404	methyltransferase like 1
RAPGEF5	0,00034274	1,60397062	Rap guanine nucleotide exchange factor (GEF) 5

KLHL42	0,00221448	1,60335415	kelch-like family member 42
LOC154761	0,0056715	1,59804231	family with sequence similarity 115, member C pseudogene
UBE2R2	2,55E-07	1,59580564	ubiquitin-conjugating enzyme E2R 2
MIR139	6,67E-06	1,59031841	microRNA 139
GPR55	0,00047136	1,57999724	G protein-coupled receptor 55
PROB1	0,0005829	1,56871517	proline-rich basic protein 1
LANCL2	0,00014411	1,5665287	LanC lantibiotic synthetase component C-like 2 (bacterial)
APOD	0,00257231	1,56335639	apolipoprotein D
HCG27	0,01322876	1,56225611	HLA complex group 27 (non-protein coding)
ZXDA	5,63E-05	1,5583292	zinc finger, X-linked, duplicated A
SMCO4	0,00123748	1,55131649	single-pass membrane protein with coiled-coil domains 4
RNF150	0,0371703	1,55113827	ring finger protein 150
STEAP1B	0,00141887	1,54927896	STEAP family member 1B
LDHAL6B	0,00075682	1,54810039	lactate dehydrogenase A-like 6B
IL2RG	0,00100744	1,54245025	interleukin 2 receptor, gamma
MIR3685	0,01553237	1,53328738	microRNA 3685
SFMBT2	0,0014358	1,5328886	Scm-like with four mbt domains 2
MEX3C	0,00120115	1,52966529	mex-3 RNA binding family member C
MXRA5	5,42E-05	1,52860501	matrix-remodelling associated 5
DENND5B	0,00010815	1,52798282	DENN/MADD domain containing 5B
PRKCA	0,01786917	1,52512252	protein kinase C, alpha
MIR1183	0,00932307	1,51660195	microRNA 1183
LINC00467	0,0044964	1,51415048	long intergenic non-protein coding RNA 467
ENO3	0,0006588	1,51358243	enolase 3 (beta, muscle)
STX17-AS1	0,00052805	1,50973665	STX17 antisense RNA 1
PXDC1	0,00032209	1,50812138	PX domain containing 1
GEMIN8P4	0,00423541	1,50661887	gem (nuclear organelle) associated protein 8 pseudogene 4
RGS6	0,00037009	1,50482214	regulator of G-protein signaling 6
ULK4P3	0,01574078	1,50387441	ULK4 pseudogene 3

MIR196A2	0,00209078	1,50194427	microRNA 196a-2
NCAPG	0,01888124	1,49591556	non-SMC condensin I complex, subunit G
MIR4529	0,00360645	1,4923092	microRNA 4529
SGOL1	0,00982665	1,48777803	shugoshin-like 1 (S. pombe)
KRT6B	0,00942411	1,48515873	keratin 6B
DAPL1	0,00888402	1,48494793	death associated protein-like 1
HTR2B	0,00011349	1,48443539	5-hydroxytryptamine (serotonin) receptor 2B, G protein-coupled
ARHGAP22	0,03134851	1,48039582	Rho GTPase activating protein 22
LINC00540	0,00103639	1,48014961	long intergenic non-protein coding RNA 540
C6orf226	0,00117497	1,47610627	chromosome 6 open reading frame 226
CXorf65	0,00254515	1,4732676	chromosome X open reading frame 65
OR6P1	0,01352039	1,47318569	olfactory receptor, family 6, subfamily P, member 1
PACSIN2	0,03136255	1,47107583	protein kinase C and casein kinase substrate in neurons 2
CXCL6	0,00930794	1,46769959	chemokine (C-X-C motif) ligand 6
IL1R1	0,02477091	1,46731032	interleukin 1 receptor, type I
C6orf106	3,74E-06	1,46698461	chromosome 6 open reading frame 106
DLL4	0,01437969	1,46557737	delta-like 4 (Drosophila)
ACOT4	0,00188839	1,46506219	acyl-CoA thioesterase 4
FCHSD2	0,00102854	1,46373356	FCH and double SH3 domains 2
USP27X	0,03486878	1,46196775	ubiquitin specific peptidase 27, X-linked
PPP1R2	3,17E-05	1,46163676	protein phosphatase 1, regulatory (inhibitor) subunit 2
CAPN6	8,30E-05	1,46080386	calpain 6
ENOX1	0,00119875	1,45984509	ecto-NOX disulfide-thiol exchanger 1
LOC401312	0,02160285	1,45765615	uncharacterized LOC401312
PRB4	0,00471365	1,45723028	proline-rich protein BstNI subfamily 4
RSPH10B	0,00010562	1,45680468	radial spoke head 10 homolog B (Chlamydomonas)
HGF	0,0046325	1,45370753	hepatocyte growth factor (hepapoietin A; scatter factor)
ZNF581	0,00063743	1,45286845	zinc finger protein 581
SPECC1	0,00051929	1,44710918	sperm antigen with calponin homology and coiled-coil domains 1

SNORD11B	0,0318753	1,44469489	small nucleolar RNA, C/D box 11B
ATP11A	0,01015482	1,44405273	ATPase, class VI, type 11A
ABCD1	2,84E-05	1,44402406	ATP-binding cassette, sub-family D (ALD), member 1
TAC3	0,00131159	1,4434761	tachykinin 3
IFT57	0,00827512	1,44104695	intraflagellar transport 57
CCDC30	0,00847249	1,44078357	coiled-coil domain containing 30
TRIB1	0,01394086	1,44007418	tribbles pseudokinase 1
ROR1	0,01054616	1,43880754	receptor tyrosine kinase-like orphan receptor 1
AP1S3	0,02730301	1,43566508	adaptor-related protein complex 1, sigma 3 subunit
OVOL2	0,00081475	1,4353668	ovo-like zinc finger 2
IL6ST	0,00831284	1,43444991	interleukin 6 signal transducer
KRTAP19-8	0,01650805	1,43317239	keratin associated protein 19-8
IL23A	0,00425683	1,43269329	interleukin 23, alpha subunit p19
MIR4660	0,01544226	1,42795642	microRNA 4660
ITPR1	0,03116663	1,42632538	inositol 1,4,5-trisphosphate receptor, type 1
RAPH1	0,04005715	1,42392107	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1
CELSR1	0,00500063	1,42327308	cadherin, EGF LAG seven-pass G-type receptor 1
LOX	0,00266988	1,42296415	lysyl oxidase
ACTA2	0,00130778	1,42295786	actin, alpha 2, smooth muscle, aorta
LINC01359	0,00795274	1,42257521	long intergenic non-protein coding RNA 1359
LINC01000	0,01031066	1,42181922	long intergenic non-protein coding RNA 1000
ELMSAN1	0,00184753	1,42079212	ELM2 and Myb/SANT-like domain containing 1
COCH	0,01842659	1,42047763	cochlin
KRTAP9-8	0,00237863	1,41891868	keratin associated protein 9-8
LOC93432	0,03518739	1,41809172	maltase-glucoamylase (alpha-glucosidase)
LOC100652931	0,00685452	1,41691712	RNA binding motif protein, Y-linked, family 1, member A1 pseudogene
SNORD13P2	0,01306252	1,41604555	small nucleolar RNA, C/D box 13 pseudogene 2
RAD51	0,00711707	1,41481313	RAD51 recombinase
MKNK2	0,00081924	1,41440286	MAP kinase interacting serine/threonine kinase 2

FLJ45248	0,00954192	1,41358928	FLJ45248 protein
EGOT	0,00245647	1,41285667	eosinophil granule ontogeny transcript (non-protein coding)
CYP2J2	0,0026036	1,41274795	cytochrome P450, family 2, subfamily J, polypeptide 2
TBC1D1	0,00219963	1,41142462	TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1
RPS27A	0,0024681	1,40790602	ribosomal protein S27a
S100A3	0,01328032	1,40771728	S100 calcium binding protein A3
YME1L1	0,02456638	1,40492576	YME1-like 1 ATPase
AES	0,01600998	1,40276491	amino-terminal enhancer of split
SNORA77	0,04166989	1,40241387	small nucleolar RNA, H/ACA box 77
RNF17	0,00059201	1,40158172	ring finger protein 17
HTR1D	0,00112043	1,40076279	5-hydroxytryptamine (serotonin) receptor 1D, G protein-coupled
ASH1L-AS1	0,00060153	1,39714523	ASH1L antisense RNA 1
DRD4	0,01605167	1,39576584	dopamine receptor D4
BAALCOS	0,01247766	1,39562286	BAALC opposite strand
MGAT3	0,00011293	1,39252214	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase
LINC01391	0,00752353	1,39201298	long intergenic non-protein coding RNA 1391
SLC36A4	0,00625696	1,3917917	solute carrier family 36 (proton/amino acid symporter), member 4
ENDOU	0,00880484	1,39157632	endonuclease, polyU-specific
TNKS1BP1	0,00040895	1,39108887	tankyrase 1 binding protein 1, 182kDa
STRN3	0,01786917	1,38928344	striatin, calmodulin binding protein 3
FAM117A	4,16E-06	1,38883488	family with sequence similarity 117, member A
GABARAPL2	0,00447648	1,38867166	GABA(A) receptor-associated protein-like 2
NDC80	0,00179936	1,38854244	NDC80 kinetochore complex component
TGFA	0,0448859	1,3884865	transforming growth factor, alpha
MIR665	0,03660083	1,38845172	microRNA 665
FANCI	0,02297811	1,386688	Fanconi anemia, complementation group I
OR6C4	0,02915088	1,38473674	olfactory receptor, family 6, subfamily C, member 4
LOC643085	0,00031463	1,38457791	uncharacterized LOC643085
STAG3L4	0,00233665	1,38396832	stromal antigen 3-like 4 (pseudogene)

ARRB2	2,78E-05	1,3827333	arrestin, beta 2
TOR4A	0,01855731	1,38152471	torsin family 4, member A
MIR3189	0,02312562	1,38123283	microRNA 3189
LOC389607	0,01452049	1,376713	uncharacterized LOC389607
ARHGEF3	0,02567796	1,37580606	Rho guanine nucleotide exchange factor (GEF) 3
CUTC	0,00297318	1,37569816	cutC copper transporter
DEXI	0,0016965	1,37518346	Dexi homolog (mouse)
CLSTN1	0,00088831	1,37472969	calsyntenin 1
CST2	0,0203123	1,37046626	cystatin SA
MYOZ1	0,00848976	1,37043232	myozenin 1
LOC723805	0,0273346	1,37020169	interleukin-like
EDIL3	0,02298555	1,36916241	EGF-like repeats and discoidin I-like domains 3
ERVK13-1	0,03203536	1,3680835	endogenous retrovirus group K13, member 1
GTF2IRD2B	0,0435421	1,36670142	GTF2I repeat domain containing 2B
TAL2	0,00633731	1,36570417	T-cell acute lymphocytic leukemia 2
APOA1	0,00105014	1,36525984	apolipoprotein A-I
OAF	0,00172334	1,36506981	OAF homolog (Drosophila)
FAHD2CP	0,04042811	1,36386175	fumarylacetoacetate hydrolase domain containing 2C, pseudogene
TMEM72-AS1	0,01395915	1,36365019	TMEM72 antisense RNA 1
CDCA4	0,00109383	1,361577	cell division cycle associated 4
CHRNA10	0,01224152	1,36145245	cholinergic receptor, nicotinic, alpha 10 (neuronal)
FGFR1OP	0,00050546	1,36079769	FGFR1 oncogene partner
LAMB1	0,04265295	1,35936966	laminin, beta 1
PTCD2	0,02509316	1,35860582	pentatricopeptide repeat domain 2
CHIAP2	0,04695095	1,3576481	chitinase, acidic pseudogene 2
ARL13B	0,01509087	1,35542273	ADP-ribosylation factor-like 13B
MIRLET7A1	0,01689638	1,35437064	microRNA let-7a-1
PTGS2	0,02323166	1,3529559	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
FABP5	0,02478833	1,35157664	fatty acid binding protein 5 (psoriasis-associated)

SERPINB3	0,02009834	1,35148534	serpin peptidase inhibitor, clade B (ovalbumin), member 3
GFPT2	0,00098748	1,35115151	glutamine-fructose-6-phosphate transaminase 2
TECTA	0,0046488	1,3510723	tectorin alpha
FAM71B	0,00894823	1,34707329	family with sequence similarity 71, member B
THAP9	0,02234681	1,3465939	THAP domain containing 9
ZNF600	0,03617649	1,34658659	zinc finger protein 600
SPTSSB	0,00032345	1,34651278	serine palmitoyltransferase, small subunit B
CEACAM22P	0,00851193	1,3463478	carcinoembryonic antigen-related cell adhesion molecule 2, pseudogene
ASMTL	0,02557718	1,34546095	acetylserotonin O-methyltransferase-like
LOC100507564	0,00577303	1,34487766	uncharacterized LOC100507564
MYH7	0,01049147	1,34355082	myosin, heavy chain 7, cardiac muscle, beta
OR3A3	0,02295028	1,34209189	olfactory receptor, family 3, subfamily A, member 3
EHD1	0,01972088	1,34072972	EH-domain containing 1
FNIP2	0,02569521	1,33881817	folliculin interacting protein 2
TMTC2	0,00192777	1,33874333	transmembrane and tetratricopeptide repeat containing 2
DUSP16	0,02777451	1,33773927	dual specificity phosphatase 16
DEFB108B	0,03285613	1,33747565	defensin, beta 108B
SLC35D1	0,00809797	1,33661353	solute carrier family 35 (UDP-GlcA/UDP-GalNAc transporter), member D1
LINC01482	0,01816117	1,33568994	long intergenic non-protein coding RNA 1482
AXIN2	0,0074874	1,33565995	axin 2
LINC01101	0,00890403	1,33505614	long intergenic non-protein coding RNA 1101
FIZ1	0,00825088	1,33320874	FLT3-interacting zinc finger 1
POM121L10P	0,02022838	1,33315072	POM121 transmembrane nucleoporin-like 10, pseudogene
SYNJ2	0,01935401	1,3316833	synaptojanin 2
MIR500A	0,00121283	1,33110893	microRNA 500a
LINC00173	0,02367898	1,33075497	long intergenic non-protein coding RNA 173
MRGPRX1	0,02104274	1,32989957	MAS-related GPR, member X1
OR1L6	0,0463079	1,32932522	olfactory receptor, family 1, subfamily L, member 6
SRP19	0,00352481	1,32903366	signal recognition particle 19kDa

GCKR	0,00160376	1,32865899	glucokinase (hexokinase 4) regulator
ZNF260	0,02206843	1,3286024	zinc finger protein 260
DLGAP4-AS1	0,00306129	1,32856673	DLGAP4 antisense RNA 1
CAMTA1	0,00019902	1,32747457	calmodulin binding transcription activator 1
NUDT15	0,02190818	1,32514332	nudix (nucleoside diphosphate linked moiety X)-type motif 15
LOC440982	0,00557025	1,32444386	uncharacterized LOC440982
PIGX	0,00587423	1,32405698	phosphatidylinositol glycan anchor biosynthesis, class X
TARP	0,02005161	1,32105843	TCR gamma alternate reading frame protein
PALLD	0,00094364	1,31978867	palladin, cytoskeletal associated protein
FAM83G	0,02127246	1,31968213	family with sequence similarity 83, member G
RABGAP1	0,00050115	1,31935638	RAB GTPase activating protein 1
CCDC90B	0,00755509	1,31791839	coiled-coil domain containing 90B
RRM2	0,00739034	1,31656357	ribonucleotide reductase M2
NRXN2	0,02782997	1,31639368	neurexin 2
OR1F2P	0,00779448	1,31617419	olfactory receptor, family 1, subfamily F, member 2
C2CD4A	0,01108996	1,31576446	C2 calcium-dependent domain containing 4A
RRN3P3	0,0059694	1,315292	RNA polymerase I transcription factor homolog (S. cerevisiae) pseudogene 3
THNSL2	0,00226623	1,3140497	threonine synthase-like 2 (S. cerevisiae)
MIR4804	0,02782986	1,31211361	microRNA 4804
STK11	0,00194406	1,31209095	serine/threonine kinase 11
ANGPTL4	0,00583191	1,31169177	angiopoietin-like 4
RAPGEF1	0,00347238	1,31063594	Rap guanine nucleotide exchange factor (GEF) 1
PSG10P	0,03251818	1,30971374	pregnancy specific beta-1-glycoprotein 10, pseudogene
LOC728989	0,04094152	1,30934792	phosphodiesterase 4D interacting protein pseudogene
ANKRD20A9P	0,03004043	1,30715513	ankyrin repeat domain 20 family, member A9, pseudogene
FAM78B	0,01667191	1,30511785	family with sequence similarity 78, member B
TBC1D19	0,01712013	1,30471176	TBC1 domain family, member 19
RASA1	0,02839614	1,30355847	RAS p21 protein activator (GTPase activating protein) 1
CASC4	0,00151231	1,30335462	cancer susceptibility candidate 4

ZBTB21	0,00109899	1,30319679	zinc finger and BTB domain containing 21
CEP89	0,00086334	1,30302137	centrosomal protein 89kDa
C7orf66	0,02366215	1,30231678	chromosome 7 open reading frame 66
MIRLET7I	0,02160285	1,30202918	microRNA let-7i
RGS20	0,02079368	1,30170476	regulator of G-protein signaling 20
AP4M1	0,00177067	1,30126013	adaptor-related protein complex 4, mu 1 subunit

Supplemental Table 6: LPS down regulated genes in CD16- MDDCs

Symbol	adj. p	FC	description
CD24	0,000499533	-20,001668	CD24 molecule
STEAP4	1,75E-06	-8,6502205	STEAP family member 4
SLC40A1	1,60E-06	-5,4747125	solute carrier family 40 (iron-regulated transporter), member 1
CD163L1	2,21E-06	-5,379027	CD163 molecule-like 1
RXFP1	1,60E-06	-5,2782444	relaxin/insulin-like family peptide receptor 1
MIR146B	3,43E-06	-5,068615	microRNA 146b
PAK7	6,72E-11	-4,9638446	p21 protein (Cdc42/Rac)-activated kinase 7
CCL18	5,12E-05	-4,4359942	chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
GPR34	0,002101415	-3,2156477	G protein-coupled receptor 34
CADM3	0,000123844	-3,178473	cell adhesion molecule 3
IL17RB	2,36E-05	-3,1411647	interleukin 17 receptor B
CD207	0,03974339	-3,1022789	CD207 molecule, langerin
CD180	0,002048505	-3,0789129	CD180 molecule
FOLR2	2,61E-05	-3,0046642	folate receptor 2 (fetal)
SH3PXD2B	3,34E-06	-2,9031087	SH3 and PX domains 2B
COL14A1	1,54E-05	-2,9022029	collagen, type XIV, alpha 1
SNORD75	2,20E-06	-2,7974126	small nucleolar RNA, C/D box 75
LGMN	0,001107383	-2,7157909	legumain
SLC25A23	0,000364522	-2,6188486	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23
MS4A7	0,005428892	-2,5804042	membrane-spanning 4-domains, subfamily A, member 7
MIR3174	0,00063092	-2,4401554	microRNA 3174
CRH	1,92E-07	-2,4097644	corticotropin releasing hormone
CLEC4M	1,64E-05	-2,3682708	C-type lectin domain family 4, member M
ME1	0,006232556	-2,3560572	malic enzyme 1, NADP(+)-dependent, cytosolic
TSPAN15	8,08E-05	-2,3304277	tetraspanin 15
SNORD104	0,017892754	-2,3245559	small nucleolar RNA, C/D box 104
CACNA1D	0,001428839	-2,3058106	calcium channel, voltage-dependent, L type, alpha 1D subunit

TIMP1	0,001177993	-2,2935295	TIMP metallopeptidase inhibitor 1
CD69	0,04220658	-2,275088	CD69 molecule
CD163	0,011676421	-2,2310124	CD163 molecule
SMARCA1	0,000179892	-2,1800704	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1
IL10	0,003749465	-2,1780732	interleukin 10
ESAM	1,40E-07	-2,1705069	endothelial cell adhesion molecule
MIR4520-1	0,006763103	-2,1425697	microRNA 4520-1
NOV	1,63E-05	-2,1013819	nephroblastoma overexpressed
HIST1H2AJ	0,007629355	-2,0730082	histone cluster 1, H2aj
TREML2	0,005753383	-2,0454538	triggering receptor expressed on myeloid cells-like 2
ITGA9	0,030961006	-1,9982146	integrin, alpha 9
NCR3LG1	0,000208661	-1,9827211	natural killer cell cytotoxicity receptor 3 ligand 1
SERPINI1	0,008100131	-1,9818424	serpin peptidase inhibitor, clade I (neuroserpin), member 1
HSPA2	0,000597491	-1,942542	heat shock 70kDa protein 2
HSD17B14	0,001339216	-1,9394908	hydroxysteroid (17-beta) dehydrogenase 14
MPO	0,034448903	-1,9368248	myeloperoxidase
RHPN1-AS1	3,38E-07	-1,9340079	RHPN1 antisense RNA 1 (head to head)
FAM95B1	4,07E-05	-1,9212645	family with sequence similarity 95, member B1
SNHG8	9,46E-05	-1,916005	small nucleolar RNA host gene 8 (non-protein coding)
ATP13A2	0,000107102	-1,910537	ATPase type 13A2
LINC00967	4,34E-05	-1,8992503	long intergenic non-protein coding RNA 967
LAIR1	0,002790157	-1,8978046	leukocyte-associated immunoglobulin-like receptor 1
SLC35F3	0,001753925	-1,8952076	solute carrier family 35, member F3
SEPP1	0,000225915	-1,8902953	selenoprotein P, plasma, 1
ANTXR1	0,000452928	-1,8700233	anthrax toxin receptor 1
EDDM3A	0,000148935	-1,867113	epididymal protein 3A
MOCOS	0,002877427	-1,8656038	molybdenum cofactor sulfurase
COLEC12	0,006844418	-1,8653507	collectin sub-family member 12
ID1	0,000478973	-1,8539048	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein

GATSL2	0,000109505	-1,8408549	GATS protein-like 2
ADRB2	0,003802233	-1,8407055	adrenoceptor beta 2, surface
RNF138P1	0,000188216	-1,8363838	ring finger protein 138, E3 ubiquitin protein ligase pseudogene 1
ATP6V0D2	0,013742496	-1,8348259	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d2
HR	2,05E-07	-1,8287868	hair growth associated
SLC11A2	0,000294502	-1,8234123	solute carrier family 11 (proton-coupled divalent metal ion transporter), member 2
RHO	0,000100989	-1,8210092	rhodopsin
BCRP3	0,044028168	-1,8106542	breakpoint cluster region pseudogene 3
MIR3143	0,001857726	-1,7952666	microRNA 3143
ZFP14	0,005515905	-1,7946576	ZFP14 zinc finger protein
SLC16A10	0,000386458	-1,7807195	solute carrier family 16 (aromatic amino acid transporter), member 10
LINC00264	0,0056115	-1,7805193	long intergenic non-protein coding RNA 264
CD99P1	0,003101948	-1,7701808	CD99 molecule pseudogene 1
RASD1	0,00067543	-1,761895	RAS, dexamethasone-induced 1
MIR425	0,002063472	-1,7586574	microRNA 425
CD34	0,008222423	-1,7584199	CD34 molecule
SHROOM2	5,04E-06	-1,7530949	shroom family member 2
GPX3	1,37E-05	-1,7425819	glutathione peroxidase 3 (plasma)
CRYM-AS1	4,76E-05	-1,7255143	CRYM antisense RNA 1
DNASE2	0,028941828	-1,7220985	deoxyribonuclease II, lysosomal
TMEM37	0,00014734	-1,7169021	transmembrane protein 37
ESCO2	0,000463582	-1,7137675	establishment of sister chromatid cohesion N-acetyltransferase 2
ACKR1	0,001235875	-1,7063119	atypical chemokine receptor 1 (Duffy blood group)
SNORA26	0,001260323	-1,7021998	small nucleolar RNA, H/ACA box 26
IQCK	0,000141109	-1,7015971	IQ motif containing K
HCAR1	0,00017281	-1,7000946	hydroxycarboxylic acid receptor 1
RCAN1	0,000268924	-1,6852945	regulator of calcineurin 1
IFT88	2,62E-05	-1,6845418	intraflagellar transport 88
SMAGP	0,000121436	-1,6784331	small cell adhesion glycoprotein

RRS1-AS1	0,000273802	-1,677287	RRS1 antisense RNA 1 (head to head)
MIR938	0,000604885	-1,6772719	microRNA 938
HHLA2	0,029556541	-1,6696313	HERV-H LTR-associating 2
LINC01150	8,65E-06	-1,6628515	long intergenic non-protein coding RNA 1150
LOC100288814	0,000116889	-1,6622281	uncharacterized LOC100288814
NDUFA6-AS1	0,000286547	-1,6533974	NDUFA6 antisense RNA 1 (head to head)
BMPR1A	0,028101578	-1,6531444	bone morphogenetic protein receptor, type IA
RTN4IP1	3,07E-06	-1,6491016	reticulon 4 interacting protein 1
AKR7A3	0,000454975	-1,643009	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)
CTSD	0,002812954	-1,6428395	cathepsin D
ZNF724P	0,025678991	-1,6416131	zinc finger protein 724, pseudogene
LOC648987	0,00026769	-1,6310908	uncharacterized LOC648987
PPFIBP2	6,66E-05	-1,6306711	PTPRF interacting protein, binding protein 2 (liprin beta 2)
COLGALT2	0,000617804	-1,6257704	collagen beta(1-O)galactosyltransferase 2
NFE2	4,70E-05	-1,6253116	nuclear factor, erythroid 2
HSPA4L	0,010513341	-1,6247748	heat shock 70kDa protein 4-like
LOC389641	1,88E-06	-1,6174877	uncharacterized LOC389641
MAGED2	0,008411199	-1,613271	melanoma antigen family D, 2
B3GNTL1	0,000116605	-1,6131269	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1
ICA1	0,000231873	-1,6116932	islet cell autoantigen 1, 69kDa
IBA57-AS1	5,91E-05	-1,60445	IBA57 antisense RNA 1 (head to head)
FAM95B1	0,004920554	-1,6030774	family with sequence similarity 95, member B1
MAFA	1,44E-05	-1,6003577	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog A
ZNF17	0,002692983	-1,6002171	zinc finger protein 17
DNAJC5B	0,002217369	-1,5972639	DnaJ (Hsp40) homolog, subfamily C, member 5 beta
ZNF567	0,000437961	-1,5963279	zinc finger protein 567
ZNF763	0,021909973	-1,5920757	zinc finger protein 763
PMFBP1	3,19E-05	-1,5906457	polyamine modulated factor 1 binding protein 1
TRIM15	0,000221752	-1,5878638	tripartite motif containing 15

TFAP2C	0,000709137	-1,5873363	transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma)
HS3ST2	0,011996668	-1,5832958	heparan sulfate (glucosamine) 3-O-sulfotransferase 2
MTMR9LP	1,33E-05	-1,5797289	myotubularin related protein 9-like, pseudogene
GPR135	0,000295619	-1,5752243	G protein-coupled receptor 135
PKD1L3	8,06E-05	-1,5711118	polycystic kidney disease 1-like 3
PLEKHG3	0,004280724	-1,5645901	pleckstrin homology domain containing, family G (with RhoGef domain) member 3
RAB3IL1	0,000405219	-1,5645282	RAB3A interacting protein (rabin3)-like 1
LINC01132	9,88E-05	-1,563179	long intergenic non-protein coding RNA 1132
ARMCX3	3,27E-06	-1,5627845	armadillo repeat containing, X-linked 3
CHDH	0,000148298	-1,5559747	choline dehydrogenase
TMEM150B	0,003484912	-1,5527812	transmembrane protein 150B
ROR2	0,002354816	-1,5507566	receptor tyrosine kinase-like orphan receptor 2
PTENP1	0,02171795	-1,5500667	phosphatase and tensin homolog pseudogene 1 (functional)
B3GNT6	0,000559733	-1,5499351	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6 (core 3 synthase)
CLDN4	0,000583168	-1,5484976	claudin 4
SIDT2	0,001539311	-1,5479397	SID1 transmembrane family, member 2
TNFRSF10A	0,000309141	-1,5444218	tumor necrosis factor receptor superfamily, member 10a
TRAM1	0,030510727	-1,5409062	translocation associated membrane protein 1
LTB	0,00172893	-1,5358124	lymphotoxin beta (TNF superfamily, member 3)
PLEKHA8P1	2,47E-06	-1,5349961	pleckstrin homology domain containing, family A member 8 pseudogene 1
WLS	0,00362655	-1,5328912	wntless Wnt ligand secretion mediator
NDUFV2	0,00099165	-1,5312554	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa
MIR4671	0,000496438	-1,5300675	microRNA 4671
TRIM15	0,000415028	-1,5298216	tripartite motif containing 15
TRIM15	0,000415028	-1,5298216	tripartite motif containing 15
TRIM15	0,000415028	-1,5298216	tripartite motif containing 15
RDH13	0,000872749	-1,5298191	retinol dehydrogenase 13 (all-trans/9-cis)
FRAT1	8,38E-05	-1,5296878	frequently rearranged in advanced T-cell lymphomas 1
CACNA2D4	0,00030621	-1,5276534	calcium channel, voltage-dependent, alpha 2/delta subunit 4

SNORD116-11	0,015127534	-1,5272132	small nucleolar RNA, C/D box 116-11
TRIM15	0,000555952	-1,5233475	tripartite motif containing 15
TRIM15	0,000555952	-1,5233475	tripartite motif containing 15
TRIM15	0,000555952	-1,5233475	tripartite motif containing 15
TTC9	0,0172245	-1,5222683	tetratricopeptide repeat domain 9
C1orf115	0,00100919	-1,5214047	chromosome 1 open reading frame 115
FKTN	0,000829689	-1,5195164	fukutin
GSTM3	0,037404423	-1,518168	glutathione S-transferase mu 3 (brain)
TRIM15	0,000671306	-1,517382	tripartite motif containing 15
TRIQK	9,20E-06	-1,5166249	triple QxxK/R motif containing
PEAK1	0,001264474	-1,5163937	pseudopodium-enriched atypical kinase 1
ZNF814	0,000263179	-1,5157512	zinc finger protein 814
MRRF	0,005814283	-1,5151306	mitochondrial ribosome recycling factor
STOX2	0,000366418	-1,5149426	storkhead box 2
MIR4499	0,007930989	-1,5146017	microRNA 4499
MYO1B	0,010095522	-1,5108576	myosin IB
NTPCR	0,000362556	-1,5108409	nucleoside-triphosphatase, cancer-related
APCDD1	0,011900934	-1,51045	adenomatosis polyposis coli down-regulated 1
PUS7L	0,00036193	-1,5086352	pseudouridylate synthase 7 homolog (S. cerevisiae)-like
CD99	0,002986311	-1,5079482	CD99 molecule
CTSS	9,26E-05	-1,5070188	cathepsin S
LPP	0,007003942	-1,5059348	LIM domain containing preferred translocation partner in lipoma
LOC284023	1,05E-05	-1,5036375	uncharacterized LOC284023
CES3	0,000693926	-1,5019248	carboxylesterase 3
MOB3B	0,026926317	-1,5014536	MOB kinase activator 3B
TRIM10	0,000194463	-1,5003544	tripartite motif containing 10
GAB1	0,000736781	-1,4991865	GRB2-associated binding protein 1
C3orf33	7,37E-05	-1,4975384	chromosome 3 open reading frame 33
GRK4	0,002078272	-1,4969547	G protein-coupled receptor kinase 4

C15orf65	0,001641063	-1,4944593	chromosome 15 open reading frame 65
SMPDL3A	0,030446028	-1,4938267	sphingomyelin phosphodiesterase, acid-like 3A
ZNF774	0,000509808	-1,4913138	zinc finger protein 774
TAF1L	0,013555116	-1,4906843	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 210kDa-like
TJP2	0,02949097	-1,4892559	tight junction protein 2
MIR3198-1	0,001884935	-1,488524	microRNA 3198-1
CST6	0,002477082	-1,4877758	cystatin E/M
PAPSS2	0,007001729	-1,4877048	3'-phosphoadenosine 5'-phosphosulfate synthase 2
TPI1	0,000118396	-1,4872695	triosephosphate isomerase 1
DMXL2	0,027197238	-1,4852174	Dmx-like 2
LOC339874	0,001840173	-1,4846588	uncharacterized LOC339874
TRAM2-AS1	0,004248964	-1,4810875	TRAM2 antisense RNA 1 (head to head)
ZNF790-AS1	0,001530823	-1,4788879	ZNF790 antisense RNA 1
ZNF493	0,031789466	-1,4754588	zinc finger protein 493
ZNF571	0,001052739	-1,4739368	zinc finger protein 571
SRGAP1	0,004897989	-1,4720222	SLIT-ROBO Rho GTPase activating protein 1
IFI16	0,000366236	-1,4701312	interferon, gamma-inducible protein 16
TRIM51EP	0,031100444	-1,46964	tripartite motif-containing 51E, pseudogene
TMEM44	0,000170953	-1,4693214	transmembrane protein 44
LOC643339	0,000571161	-1,4678041	uncharacterized LOC643339
PRSS21	0,027710696	-1,4658206	protease, serine, 21 (testisin)
PTAR1	1,51E-05	-1,4652626	protein prenyltransferase alpha subunit repeat containing 1
GSTM2	0,015041291	-1,4640603	glutathione S-transferase mu 2 (muscle)
RCN3	0,003048702	-1,4630873	reticulocalbin 3, EF-hand calcium binding domain
PFKFB2	0,001201665	-1,4623959	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2
GIMAP8	0,016886437	-1,4622552	GTPase, IMAP family member 8
ADD3	0,008795926	-1,4607276	adducin 3 (gamma)
RRM2B	0,000194599	-1,4606587	ribonucleotide reductase M2 B (TP53 inducible)
HAMP	0,024250068	-1,4599418	hepcidin antimicrobial peptide

CYP1B1-AS1	0,001465045	-1,4589009	CYP1B1 antisense RNA 1
GIMAP2	0,001342809	-1,4579091	GTPase, IMAP family member 2
HKR1	2,16E-05	-1,4579002	HKR1, GLI-Kruppel zinc finger family member
PPIP5K1	0,015041291	-1,4569024	diphosphoinositol pentakisphosphate kinase 1
CHST13	0,000489157	-1,4566426	carbohydrate (chondroitin 4) sulfotransferase 13
LOC113230	0,005571695	-1,4556958	uncharacterized protein LOC113230
DCAF13P3	0,011533051	-1,4545063	DDB1 and CUL4 associated factor 13 pseudogene 3
CD44	0,000575287	-1,4511236	CD44 molecule (Indian blood group)
MAP7	0,007597033	-1,4505506	microtubule-associated protein 7
PGM2L1	0,000562372	-1,4498554	phosphoglucomutase 2-like 1
MSL3P1	0,014358136	-1,4473552	male-specific lethal 3 homolog (Drosophila) pseudogene 1
POM121L8P	0,001130682	-1,445684	POM121 transmembrane nucleoporin-like 8 pseudogene
SEMA4A	0,016484092	-1,4451056	semaphorin 4A
OR2L1P	0,005749868	-1,4449099	olfactory receptor, family 2, subfamily L, member 1 pseudogene
ITPKB	0,018114213	-1,4429284	inositol-trisphosphate 3-kinase B
RMI1	0,004622491	-1,4421338	RecQ mediated genome instability 1
MIR543	0,008227333	-1,4380608	microRNA 543
DIP2A-IT1	0,027274203	-1,4365062	DIP2A intronic transcript 1 (non-protein coding)
FAM13A-AS1	0,011244971	-1,4358684	FAM13A antisense RNA 1
REXO2	0,000128416	-1,4327103	RNA exonuclease 2
LINC01114	0,029251052	-1,4322814	long intergenic non-protein coding RNA 1114
NBEAL1	0,002737261	-1,4309839	neurobeachin-like 1
CWF19L1	0,00250501	-1,4296623	CWF19-like 1, cell cycle control (S. pombe)
LRRCC1	0,008741457	-1,4288482	leucine rich repeat and coiled-coil centrosomal protein 1
FOSB	0,008169809	-1,4281672	FBJ murine osteosarcoma viral oncogene homolog B
GPR162	0,002636471	-1,4256495	G protein-coupled receptor 162
ACO1	0,027849739	-1,4252253	aconitase 1, soluble
GNB4	0,015260386	-1,4250966	guanine nucleotide binding protein (G protein), beta polypeptide 4
GATAD1	0,000312825	-1,4250777	GATA zinc finger domain containing 1

ZNF823	0,004907445	-1,4250128	zinc finger protein 823
ZNF699	0,014307858	-1,4239135	zinc finger protein 699
PMS2	0,005438942	-1,4223821	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)
TTC30A	0,037354248	-1,4222317	tetratricopeptide repeat domain 30A
LINC01137	0,008072514	-1,4219179	long intergenic non-protein coding RNA 1137
USPL1	0,002545148	-1,4213205	ubiquitin specific peptidase like 1
ZNF484	0,000153788	-1,4210163	zinc finger protein 484
ERO1LB	0,000412017	-1,4197643	ERO1-like beta (S. cerevisiae)
NOP16	0,000215659	-1,4194031	NOP16 nucleolar protein
RBM41	0,000419817	-1,419083	RNA binding motif protein 41
LOC731157	0,026933689	-1,4168306	uncharacterized LOC731157
ATP6V1B1	0,012882297	-1,4140243	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B1
PLCG1	0,000700287	-1,4136578	phospholipase C, gamma 1
COL24A1	0,000341179	-1,4133049	collagen, type XXIV, alpha 1
LIMD1-AS1	0,001020484	-1,4121847	LIMD1 antisense RNA 1
SPAG5-AS1	0,001344877	-1,4104449	SPAG5 antisense RNA 1
TCTN1	1,47E-05	-1,4099007	tectonic family member 1
FAM210B	0,00590983	-1,4085436	family with sequence similarity 210, member B
RCBTB1	0,007091952	-1,4076109	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 1
DEPDC1B	0,025076335	-1,4048836	DEP domain containing 1B
ZMIZ1	0,001595712	-1,4046333	zinc finger, MIZ-type containing 1
GUSBP4	0,008930638	-1,4044534	glucuronidase, beta pseudogene 4
DCTPP1	0,000731143	-1,4029193	dCTP pyrophosphatase 1
FAM195A	0,007890011	-1,4021874	family with sequence similarity 195, member A
NMT2	2,83E-05	-1,4012554	N-myristoyltransferase 2
ACSS1	0,000246014	-1,3996559	acyl-CoA synthetase short-chain family member 1
HSPA6	0,010783394	-1,3983845	heat shock 70kDa protein 6 (HSP70B')
COA6	0,001461722	-1,3981544	cytochrome c oxidase assembly factor 6 homolog (S. cerevisiae)
MAGED1	8,89E-05	-1,3981024	melanoma antigen family D, 1

EPHB6	0,000239825	-1,3975778	EPH receptor B6
COPS4	7,68E-05	-1,3968423	COP9 signalosome subunit 4
TRIM5	0,019701874	-1,3967297	tripartite motif containing 5
LOC286058	0,000510816	-1,3966374	uncharacterized LOC286058
CLIP4	0,009199265	-1,3964564	CAP-GLY domain containing linker protein family, member 4
LOC100129940	0,017086302	-1,3960118	uncharacterized LOC100129940
G6PC3	0,000533704	-1,3958501	glucose 6 phosphatase, catalytic, 3
CYP4A11	0,013330556	-1,3958163	cytochrome P450, family 4, subfamily A, polypeptide 11
MTURN	0,004350172	-1,3950918	maturin, neural progenitor differentiation regulator homolog (Xenopus)
BMP1	0,002666463	-1,3948265	bone morphogenetic protein 1
MAT2A	0,008543603	-1,394354	methionine adenosyltransferase II, alpha
KLHL25	0,000248875	-1,3942661	kelch-like family member 25
LRP5L	0,001395625	-1,392415	low density lipoprotein receptor-related protein 5-like
FAM160A1	0,002576123	-1,3918841	family with sequence similarity 160, member A1
EIF2B3	0,003552378	-1,3916595	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa
SLC16A7	0,001600712	-1,3916315	solute carrier family 16 (monocarboxylate transporter), member 7
C11orf54	7,68E-05	-1,3906022	chromosome 11 open reading frame 54
ALG6	0,000454618	-1,3897371	ALG6, alpha-1,3-glucosyltransferase
GPR146	0,026442512	-1,387915	G protein-coupled receptor 146
MIR486-1	0,000146293	-1,387846	microRNA 486-1
C8orf37-AS1	7,19E-05	-1,3878237	C8orf37 antisense RNA 1
KIAA1462	0,008033162	-1,3875029	KIAA1462
USP51	0,002304744	-1,3872944	ubiquitin specific peptidase 51
BDKRB2	0,012532432	-1,3853948	bradykinin receptor B2
ZNF850	0,021356228	-1,3850618	zinc finger protein 850
FLJ22447	0,004390116	-1,3838559	uncharacterized LOC400221
FAM35A	0,000551568	-1,3827439	family with sequence similarity 35, member A
HIST1H2BO	0,02324354	-1,3825361	histone cluster 1, H2bo
CLN3	0,001840487	-1,3806518	ceroid-lipofuscinosis, neuronal 3

SELENBP1	0,010788641	-1,3800147	selenium binding protein 1
LOC100129033	0,000919935	-1,3789632	QIQN5815
NEGR1	0,012730827	-1,3787719	neuronal growth regulator 1
DUOX2	0,003807377	-1,3782909	dual oxidase 2
LOC100507306	0,007899283	-1,3777919	uncharacterized LOC100507306
GNS	0,002327632	-1,3777885	glucosamine (N-acetyl)-6-sulfatase
OSCAR	0,004820499	-1,3776465	osteoclast associated, immunoglobulin-like receptor
MIR4720	0,044411823	-1,3763442	microRNA 4720
ARRDC5	1,62E-05	-1,3760884	arrestin domain containing 5
CMC1	0,019217283	-1,3759334	C-x(9)-C motif containing 1
WDR35	0,001915369	-1,3750625	WD repeat domain 35
TCEAL3	0,004473901	-1,3747298	transcription elongation factor A (SII)-like 3
CETN2	0,000700287	-1,3738461	centrin, EF-hand protein, 2
ITPKB-IT1	0,012106388	-1,3735976	ITPKB intronic transcript 1 (non-protein coding)
SLC35C2	0,00051025	-1,3730373	solute carrier family 35 (GDP-fucose transporter), member C2
GAS2L1	0,001011416	-1,3705783	growth arrest-specific 2 like 1
HCG11	0,02181167	-1,370411	HLA complex group 11 (non-protein coding)
LINC00630	0,002000047	-1,3699071	long intergenic non-protein coding RNA 630
LINC00294	0,018321511	-1,3698779	long intergenic non-protein coding RNA 294
PIK3IP1	0,022959076	-1,368881	phosphoinositide-3-kinase interacting protein 1
ARHGEF15	0,000293167	-1,3686806	Rho guanine nucleotide exchange factor (GEF) 15
USP6NL	0,030510727	-1,3685442	USP6 N-terminal like
TRG-AS1	0,025805716	-1,3673025	T cell receptor gamma locus antisense RNA 1
LOC100131510	0,022716831	-1,365628	uncharacterized LOC100131510
TRMT12	0,012209822	-1,3649663	tRNA methyltransferase 12 homolog (S. cerevisiae)
PTPRJ	0,00347278	-1,364882	protein tyrosine phosphatase, receptor type, J
MIR4440	0,003561277	-1,3647104	microRNA 4440
LOC100506804	0,002257275	-1,364249	uncharacterized LOC100506804
ZNF286A	0,005081192	-1,364218	zinc finger protein 286A

PHYHD1	7,40E-05	-1,3630876	phytanoyl-CoA dioxygenase domain containing 1
VSIG10L	0,003818406	-1,3630407	V-set and immunoglobulin domain containing 10 like
EDDM3B	0,01853872	-1,3628867	epididymal protein 3B
PEX11A	0,004012746	-1,3602833	peroxisomal biogenesis factor 11 alpha
PACRGL	0,002585619	-1,3600652	PARK2 co-regulated-like
LINC01125	0,000644448	-1,3598387	long intergenic non-protein coding RNA 1125
MYOM1	0,003733369	-1,3591299	myomesin 1
SLC39A14	0,010670794	-1,3586849	solute carrier family 39 (zinc transporter), member 14
SH3YL1	0,000323352	-1,3580948	SH3 and SYLF domain containing 1
HDHD1	0,007039279	-1,3579963	haloacid dehalogenase-like hydrolase domain containing 1
HSD17B8	0,000165203	-1,3575603	hydroxysteroid (17-beta) dehydrogenase 8
HSD17B8	0,000165203	-1,3575603	hydroxysteroid (17-beta) dehydrogenase 8
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HSD17B8	0,000165203	-1,3575603	hydroxysteroid (17-beta) dehydrogenase 8
LINC00032	0,009199726	-1,3569656	long intergenic non-protein coding RNA 32
DUOXA2	0,014471117	-1,3557451	dual oxidase maturation factor 2
LOC553103	0,000253998	-1,3554473	uncharacterized LOC553103
TAS2R4	0,029790983	-1,3551161	taste receptor, type 2, member 4
PKIA	0,006591557	-1,3550631	protein kinase (cAMP-dependent, catalytic) inhibitor alpha
SLC17A7	0,000712759	-1,3534706	solute carrier family 17 (vesicular glutamate transporter), member 7
DOLK	0,002060571	-1,3531737	dolichol kinase
ACAP2	0,001868308	-1,352932	ArfGAP with coiled-coil, ankyrin repeat and PH domains 2
SLC11A1	0,03493697	-1,3528685	solute carrier family 11 (proton-coupled divalent metal ion transporter), member 1
SLC25A30	0,022852452	-1,3527998	solute carrier family 25, member 30
POLR3F	0,000790869	-1,3524854	polymerase (RNA) III (DNA directed) polypeptide F, 39 kDa
NDST2	0,001935974	-1,3523293	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2
UBXN8	0,01616741	-1,3521127	UBX domain protein 8

KBTBD11	0,003571968	-1,351386	kelch repeat and BTB (POZ) domain containing 11
C3orf79	0,004526856	-1,3508558	chromosome 3 open reading frame 79
MIR3118-4	0,011692439	-1,3499107	microRNA 3118-4
MIR3118-4	0,011692439	-1,3499107	microRNA 3118-4
DCAF17	0,000123673	-1,3477949	DDB1 and CUL4 associated factor 17
OSBPL10	0,002313495	-1,3475067	oxysterol binding protein-like 10
CYTH3	7,75E-05	-1,3460582	cytohesin 3
ADI1	0,00316008	-1,3455353	acireductone dioxygenase 1
RABL3	0,001555548	-1,3454712	RAB, member of RAS oncogene family-like 3
LOC284513	0,001112	-1,3450594	uncharacterized LOC284513
ADAL	0,026450724	-1,3446248	adenosine deaminase-like
PRMT6	0,002350785	-1,3445433	protein arginine methyltransferase 6
HSPA12B	0,024053678	-1,3443937	heat shock 70kD protein 12B
CAPN2	0,009711111	-1,3443498	calpain 2, (m/II) large subunit
COL4A3BP	0,006874022	-1,3430889	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein
LIPA	0,004520748	-1,342897	lipase A, lysosomal acid, cholesterol esterase
ZSCAN26	0,000181306	-1,3427562	zinc finger and SCAN domain containing 26
ZNF568	0,000268535	-1,3427371	zinc finger protein 568
SOX8	0,046507243	-1,3426507	SRY (sex determining region Y)-box 8
SNX25	0,011340685	-1,3426066	sorting nexin 25
LOC100129473	0,011533051	-1,3425911	uncharacterized LOC100129473
ZNF583	0,001696945	-1,3422278	zinc finger protein 583
GPR85	0,002304744	-1,3421533	G protein-coupled receptor 85
TOMM40	0,037903094	-1,3410932	translocase of outer mitochondrial membrane 40 homolog (yeast)
PPP1R12B	0,002220758	-1,3398506	protein phosphatase 1, regulatory subunit 12B
CETN3	0,028881835	-1,3385272	centrin, EF-hand protein, 3
SPG7	0,004733672	-1,3364935	spastic paraplegia 7 (pure and complicated autosomal recessive)
ZNF529	0,000253678	-1,3355919	zinc finger protein 529
DHODH	0,001392747	-1,3350546	dihydroorotate dehydrogenase (quinone)

SCN5A	0,020801651	-1,3346584	sodium channel, voltage-gated, type V, alpha subunit
ANO8	0,000505613	-1,3342568	anoctamin 8
PICK1	0,007532039	-1,3341758	protein interacting with PRKCA 1
MAP4K2	0,004338812	-1,333747	mitogen-activated protein kinase kinase kinase kinase 2
LOC100505501	0,046389098	-1,3331681	uncharacterized LOC100505501
GLCCI1	0,00359157	-1,3330513	glucocorticoid induced transcript 1
TIGD7	0,000586222	-1,3330274	tigger transposable element derived 7
WWP1	0,012321611	-1,3321218	WW domain containing E3 ubiquitin protein ligase 1
PRTN3	0,026518809	-1,3316916	proteinase 3
BTN2A3P	0,041430329	-1,3316115	butyrophilin, subfamily 2, member A3, pseudogene
LEPROTL1	0,00052555	-1,3314097	leptin receptor overlapping transcript-like 1
PAFAH2	0,001088906	-1,3300401	platelet-activating factor acetylhydrolase 2, 40kDa
IGF2R	0,016478017	-1,3296409	insulin-like growth factor 2 receptor
ZNF597	0,000411582	-1,3295353	zinc finger protein 597
POP5	0,002283477	-1,3273461	processing of precursor 5, ribonuclease P/MRP subunit (S. cerevisiae)
CTGLF12P	0,004819567	-1,327185	centaurin, gamma-like family, member 12 pseudogene
WDHD1	0,010795352	-1,3270463	WD repeat and HMG-box DNA binding protein 1
SCGB1D2	0,021003823	-1,3267899	secretoglobin, family 1D, member 2
SLC24A1	0,001967434	-1,3257515	solute carrier family 24 (sodium/potassium/calcium exchanger), member 1
FCF1	0,000893052	-1,3253516	FCF1 rRNA-processing protein
FUZ	0,001702425	-1,3252056	fuzzy planar cell polarity protein
SLC22A18	0,007251161	-1,324906	solute carrier family 22, member 18
ATP5G2	0,000709645	-1,3248081	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C2 (subunit 9)
RORA	0,006631345	-1,3234951	RAR-related orphan receptor A
EMC3	0,008169809	-1,3229588	ER membrane protein complex subunit 3
SLC48A1	0,039669834	-1,3222461	solute carrier family 48 (heme transporter), member 1
FAM114A2	0,00708291	-1,3216804	family with sequence similarity 114, member A2
SH3BP1	0,011792514	-1,321656	SH3-domain binding protein 1
TSHZ1	0,014596959	-1,3211625	teashirt zinc finger homeobox 1

C12orf66	0,000203941	-1,3210868	chromosome 12 open reading frame 66
ELMOD3	0,020024314	-1,3208707	ELMO/CED-12 domain containing 3
ZFAND4	0,012688677	-1,3197611	zinc finger, AN1-type domain 4
ZNF552	0,016306817	-1,3193199	zinc finger protein 552
AAMDC	0,001439407	-1,3189167	adipogenesis associated, Mth938 domain containing
CCDC80	0,012785421	-1,3176459	coiled-coil domain containing 80
01-mars	0,002144075	-1,3170426	mitochondrial amidoxime reducing component 1
COPZ2	0,00446735	-1,3168432	coatomer protein complex, subunit zeta 2
FGFR1OP2	0,044780384	-1,3166358	FGFR1 oncogene partner 2
FAM188A	0,003648237	-1,3165661	family with sequence similarity 188, member A
LOC100129831	0,011641242	-1,3164446	EPWW6493
NAT2	0,002680263	-1,316322	N-acetyltransferase 2 (arylamine N-acetyltransferase)
GTF2E1	0,001884065	-1,3161585	general transcription factor IIE, polypeptide 1, alpha 56kDa
DSTYK	0,007108797	-1,3157935	dual serine/threonine and tyrosine protein kinase
SIPA1L2	0,047313325	-1,3148525	signal-induced proliferation-associated 1 like 2
LOC284926	0,024090944	-1,3145791	uncharacterized LOC284926
KMT2C	0,009645868	-1,3144941	lysine (K)-specific methyltransferase 2C
BOD1	0,002680423	-1,3138467	biorientation of chromosomes in cell division 1
KLK7	0,022303523	-1,3136588	kallikrein-related peptidase 7
AASS	0,006582401	-1,3135639	aminoadipate-semialdehyde synthase
C6orf89	0,000611295	-1,3133824	chromosome 6 open reading frame 89
SNORA24	0,035296152	-1,3131291	small nucleolar RNA, H/ACA box 24
ZNF181	0,001880708	-1,3129778	zinc finger protein 181
FAM114A1	0,018195681	-1,312034	family with sequence similarity 114, member A1
NRARP	0,020693483	-1,311789	NOTCH-regulated ankyrin repeat protein
MSTN	0,022254945	-1,3117369	myostatin
PBLD	0,002076173	-1,3116632	phenazine biosynthesis-like protein domain containing
LINC01220	0,00316008	-1,3104798	long intergenic non-protein coding RNA 1220
WASH3P	0,045402003	-1,3096695	WAS protein family homolog 3 pseudogene

LINC00888	0,032781303	-1,3096368	long intergenic non-protein coding RNA 888
UGP2	0,000421148	-1,3094742	UDP-glucose pyrophosphorylase 2
HIBCH	0,018276002	-1,3092099	3-hydroxyisobutyryl-CoA hydrolase
ZRANB2-AS1	0,001225605	-1,3089163	ZRANB2 antisense RNA 1
LOC100507642	0,0089658	-1,3085335	uncharacterized LOC100507642
NARS2	0,008072514	-1,308363	asparaginyl-tRNA synthetase 2, mitochondrial (putative)
COQ7	0,001663171	-1,3082361	coenzyme Q7 homolog, ubiquinone (yeast)
ABCC4	0,006899952	-1,3080828	ATP-binding cassette, sub-family C (CFTR/MRP), member 4
UNC50	0,00045447	-1,3077205	unc-50 homolog (C. elegans)
LIN54	0,000115584	-1,307675	lin-54 DREAM MuvB core complex component
ECRP	0,049460309	-1,3075926	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin) pseudogene
SMIM8	0,009451373	-1,3075159	small integral membrane protein 8
FRMD6	0,006988321	-1,3071283	FERM domain containing 6
SNAI1	0,005358947	-1,3070879	snail family zinc finger 1
SLC25A37	0,012638396	-1,3068283	solute carrier family 25 (mitochondrial iron transporter), member 37
STK16	0,004456323	-1,3063921	serine/threonine kinase 16
APAF1	0,016727863	-1,3056144	apoptotic peptidase activating factor 1
FBN2	0,001555372	-1,3052843	fibrillin 2
PTPDC1	0,001937868	-1,3043393	protein tyrosine phosphatase domain containing 1
SNTB1	0,011261414	-1,3039621	syntrophin, beta 1 (dystrophin-associated protein A1, 59kDa, basic component 1)
HERC2P10	0,002247642	-1,3038698	hect domain and RLD 2 pseudogene 10
NME7	0,010830808	-1,303706	NME/NM23 family member 7
UBE2H	0,003404064	-1,3035155	ubiquitin-conjugating enzyme E2H
EFR3B	0,009063648	-1,3033233	EFR3 homolog B (S. cerevisiae)
FAM111A	0,005440964	-1,3029492	family with sequence similarity 111, member A
RNU6ATAC	0,028072235	-1,3028096	RNA, U6atac small nuclear (U12-dependent splicing)
UGGT2	0,045455808	-1,3026241	UDP-glucose glycoprotein glucosyltransferase 2
ARHGEF17	0,020246587	-1,3025311	Rho guanine nucleotide exchange factor (GEF) 17
GOLGA8I	0,002905279	-1,3022005	golgin A8 family, member I

OTUD1	0,026590855	-1,3021712	OTU deubiquitinase 1
NUDT1	0,001214281	-1,301479	nudix (nucleoside diphosphate linked moiety X)-type motif 1
PROX2	0,004981875	-1,3014476	prospero homeobox 2
MED20	0,000759746	-1,301134	mediator complex subunit 20
C1RL	0,026241998	-1,3001489	complement component 1, r subcomponent-like

Supplemental Table 7: HIV modulated genes in CD16+ MDDCs

Symbol	p-value	FC	description
IFI6	0,010221956	1,968091	interferon, alpha-inducible protein 6
OR56A3	0,002357016	1,66518148	olfactory receptor, family 56, subfamily A, member 3
MIR568	0,040890114	1,56560746	microRNA 568
MIR4718	0,024762177	1,54548873	microRNA 4718
SNORA5A	0,003895082	1,53541148	small nucleolar RNA, H/ACA box 5A
SNORA30	0,007230177	1,52762718	small nucleolar RNA, H/ACA box 30
KRTAP6-3	0,00694776	1,45609	keratin associated protein 6-3
FANCM	0,000270071	1,45062457	Fanconi anemia, complementation group M
CD101	0,008782713	1,44986461	CD101 molecule
MIR4717	0,001891888	1,44467935	microRNA 4717
ZNF714	0,007858588	1,43397999	zinc finger protein 714
LINC00864	0,019410526	1,41647605	long intergenic non-protein coding RNA 864
ZNF429	0,045714769	1,41191091	zinc finger protein 429
LOC101927780	0,003900453	1,3959715	uncharacterized LOC101927780
LOC645513	0,025011597	1,39384275	uncharacterized LOC645513
KBTBD7	0,007735633	1,38795765	kelch repeat and BTB (POZ) domain containing 7
SKP1	0,027506979	1,38561761	S-phase kinase-associated protein 1
SIGLEC1	0,008329708	1,38177798	sialic acid binding Ig-like lectin 1, sialoadhesin
MIR3692	0,021478142	1,38015051	microRNA 3692
OR1F1	0,0097904	1,37583921	olfactory receptor, family 1, subfamily F, member 1
ZNHIT6	0,002811787	1,37084049	zinc finger, HIT-type containing 6
CCDC122	0,033813873	1,36929275	coiled-coil domain containing 122
MIR3188	0,008186345	1,36920461	microRNA 3188
MIR4441	0,036939034	1,35856016	microRNA 4441
TAF1	0,003414014	1,35846164	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa
YTHDC1	0,018870484	1,35066555	YTH domain containing 1
OSTCP1	0,013699726	1,34066132	oligosaccharyltransferase complex subunit pseudogene 1

SCARNA1	0,039900606	1,34036652	small Cajal body-specific RNA 1
KLF10	0,037547325	1,32951119	Kruppel-like factor 10
MIR4672	0,029647765	1,32760385	microRNA 4672
MIR548S	0,018225471	1,32654998	microRNA 548s
RFC4	0,002375303	1,32432101	replication factor C (activator 1) 4, 37kDa
RBM5-AS1	0,005270973	1,3221625	RBM5 antisense RNA 1
ZNF461	0,022592554	1,31688106	zinc finger protein 461
EIF2AK2	0,03560488	1,316649	eukaryotic translation initiation factor 2-alpha kinase 2
DSTNP2	0,004970196	1,31626219	destrin (actin depolymerizing factor) pseudogene 2
SLC9A9-AS1	0,000229358	1,31484914	SLC9A9 antisense RNA 1
KRTAP19-3	0,014239561	1,31475759	keratin associated protein 19-3
CASP6	0,013581768	1,31155655	caspase 6, apoptosis-related cysteine peptidase
ZNF671	0,026552925	1,31064429	zinc finger protein 671
DDIAS	0,013119191	1,30711789	DNA damage-induced apoptosis suppressor
MIR583	0,004009033	1,30573938	microRNA 583
ZNF502	0,007326323	1,30490537	zinc finger protein 502
MIR4491	0,047645655	1,30048258	microRNA 4491
CACHD1	0,022633845	-1,3003855	cache domain containing 1
LINC01227	0,011920412	-1,3017127	long intergenic non-protein coding RNA 1227
LOC101927048	0,031657254	-1,302562	uncharacterized LOC101927048
IGHG1	0,023429579	-1,3025629	immunoglobulin heavy constant gamma 1 (G1m marker)
MIR668	0,006754652	-1,3038167	microRNA 668
CPB2	0,006969596	-1,304655	carboxypeptidase B2 (plasma)
OR4Q3	0,038772054	-1,3046751	olfactory receptor, family 4, subfamily Q, member 3
PTGIR	0,045493925	-1,3053578	prostaglandin I2 (prostacyclin) receptor (IP)
YME1L1	0,006586036	-1,3080892	YME1-like 1 ATPase
FUT3	0,000930999	-1,309466	fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group)
MIR4535	0,009038383	-1,3128914	microRNA 4535
LOC100507600	0,042026527	-1,3149904	uncharacterized LOC100507600

SCUBE2	0,00467118	-1,3186049	signal peptide, CUB domain, EGF-like 2
MIR4660	0,022351703	-1,3188539	microRNA 4660
GPR157	0,02667323	-1,319101	G protein-coupled receptor 157
KRT33A	0,011441411	-1,3200227	keratin 33A
CEACAM3	0,039753348	-1,3201396	carcinoembryonic antigen-related cell adhesion molecule 3
OR4C15	0,012683765	-1,320524	olfactory receptor, family 4, subfamily C, member 15
ADH4	9,07E-06	-1,3256659	alcohol dehydrogenase 4 (class II), pi polypeptide
PRDM8	0,032879378	-1,3264211	PR domain containing 8
DPPA2P3	0,027837763	-1,3276574	developmental pluripotency associated 2 pseudogene 3
ACTR3BP2	0,012585715	-1,3289025	ACTR3B pseudogene 2
FNDC9	5,53E-05	-1,3315931	fibronectin type III domain containing 9
IGKC	0,004790646	-1,3326149	immunoglobulin kappa constant
OR4C46	0,002924049	-1,3339919	olfactory receptor, family 4, subfamily C, member 46
ROR1	0,013954291	-1,3372708	receptor tyrosine kinase-like orphan receptor 1
GTF2IRD2B	0,019655188	-1,3418047	GTF2I repeat domain containing 2B
CNR1	0,000118855	-1,3454607	cannabinoid receptor 1 (brain)
LCE2D	0,000220042	-1,3482892	late cornified envelope 2D
PSG5	0,019579212	-1,3495535	pregnancy specific beta-1-glycoprotein 5
MIR3138	0,004340243	-1,3513563	microRNA 3138
MIR4450	0,001278039	-1,3535304	microRNA 4450
COX6A2	0,001239072	-1,3550833	cytochrome c oxidase subunit VIa polypeptide 2
OR8G2	0,035758808	-1,3575106	olfactory receptor, family 8, subfamily G, member 2
LINC01005	0,003473389	-1,3579652	long intergenic non-protein coding RNA 1005
CCR4	0,033393456	-1,3595554	chemokine (C-C motif) receptor 4
IFNA16	0,003641616	-1,3612035	interferon, alpha 16
OR1D2	0,034194074	-1,3623369	olfactory receptor, family 1, subfamily D, member 2
LOC101927123	0,035194429	-1,3632814	uncharacterized LOC101927123
XKRX	0,004620171	-1,36333	XK, Kell blood group complex subunit-related, X-linked
ATF3	0,040012329	-1,3641792	activating transcription factor 3

STX17-AS1	0,002002675	-1,3642297	STX17 antisense RNA 1
LOC641746	0,005818948	-1,3681907	glycine cleavage system protein H (aminomethyl carrier) pseudogene
OR2T27	0,018329986	-1,3693531	olfactory receptor, family 2, subfamily T, member 27
MED27	0,038605833	-1,3719773	mediator complex subunit 27
MYO1G	0,027554106	-1,3745789	myosin IG
DPCR1	0,005393344	-1,3751977	diffuse panbronchiolitis critical region 1
CCDC30	0,005556183	-1,3834838	coiled-coil domain containing 30
SNORD114-2	0,005264758	-1,385326	small nucleolar RNA, C/D box 114-2
MRGPRF	0,00155234	-1,385951	MAS-related GPR, member F
OR7E91P	0,046244484	-1,3869837	olfactory receptor, family 7, subfamily E, member 91 pseudogene
ARHGDIG	0,01742141	-1,3878794	Rho GDP dissociation inhibitor (GDI) gamma
LGALS17A	0,007934522	-1,3967619	Charcot-Leyden crystal protein pseudogene
OR1E2	0,010562849	-1,4033784	olfactory receptor, family 1, subfamily E, member 2
PIM1	0,016264855	-1,4034802	Pim-1 proto-oncogene, serine/threonine kinase
TM4SF1	0,015272953	-1,4125108	transmembrane 4 L six family member 1
SYNPO2	0,045636933	-1,4232858	synaptopodin 2
TNC	0,044861797	-1,4357688	tenascin C
GPRC5D	0,003437914	-1,4386597	G protein-coupled receptor, class C, group 5, member D
GADD45B	0,006868853	-1,4394911	growth arrest and DNA-damage-inducible, beta
ANXA3	0,047021491	-1,4436867	annexin A3
KRTAP5-2	0,006475139	-1,4493416	keratin associated protein 5-2
LRRC32	0,004734083	-1,469846	leucine rich repeat containing 32
CYP7B1	0,014564978	-1,4711518	cytochrome P450, family 7, subfamily B, polypeptide 1
VAT1L	0,044666471	-1,4713233	vesicle amine transport 1-like
SSX6	0,002804592	-1,4730097	synovial sarcoma, X breakpoint 6 (pseudogene)
RNU6-71P	0,011547322	-1,4780684	RNA, U6 small nuclear 71, pseudogene
OR5L2	0,03045223	-1,4870442	olfactory receptor, family 5, subfamily L, member 2
JADE3	0,006203094	-1,4982212	jade family PHD finger 3
OR10K2	0,008998587	-1,5110778	olfactory receptor, family 10, subfamily K, member 2

ASB9	0,000103973	-1,5211856	ankyrin repeat and SOCS box containing 9
OR2J3	0,004540337	-1,5242646	olfactory receptor, family 2, subfamily J, member 3
OR6C75	0,010914591	-1,5303631	olfactory receptor, family 6, subfamily C, member 75
USP17L15	0,04663262	-1,536454	ubiquitin specific peptidase 17-like family member 15
IL2RA	0,049518186	-1,5714987	interleukin 2 receptor, alpha
FLT3	0,041744562	-1,6068745	fms-related tyrosine kinase 3
TMEM176A	0,019301509	-1,6180501	transmembrane protein 176A
MFI2	0,013617843	-1,6447771	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5
IFNA1	9,19E-05	-1,6458915	interferon, alpha 1
MIR509-3	0,006282835	-1,7023894	microRNA 509-3
MIR548I3	0,002205234	-1,7798673	microRNA 548i-3
CRLF2	0,037775954	-1,8259217	cytokine receptor-like factor 2
USP17L5	0,002405697	-1,8370337	ubiquitin specific peptidase 17-like family member 5
ROCK1P1	0,03887543	-1,8946092	Rho-associated, coiled-coil containing protein kinase 1 pseudogene 1

Supplemental Table 8: HIV modulated genes in CD16- MDDCs

Symbol	p-value	FC	description
MIR1271	0,00320353	1,68465532	microRNA 1271
MIR516A2	0,0066327	1,55339607	microRNA 516a-2
MIR3911	0,01464117	1,43881251	microRNA 3911
PKP2	0,00132011	1,42950038	plakophilin 2
PNRC2	0,01478631	1,40814485	proline-rich nuclear receptor coactivator 2
LINC01482	0,00158313	1,39425015	long intergenic non-protein coding RNA 1482
MIR196A1	0,00107515	1,38737478	microRNA 196a-1
S100B	0,00379993	1,38731961	S100 calcium binding protein B
OR14J1	0,02526722	1,38335967	olfactory receptor, family 14, subfamily J, member 1
DAPL1	0,01117891	1,37696886	death associated protein-like 1
LINC00424	0,00353778	1,36513011	long intergenic non-protein coding RNA 424
MIR320C1	0,03420108	1,35681946	microRNA 320c-1
CFHR4	0,0225081	1,35064297	complement factor H-related 4
LINC00971	0,00194834	1,34401165	long intergenic non-protein coding RNA 971
MIR3665	0,03484974	1,33711721	microRNA 3665
MRGPRX1	0,00567116	1,33233456	MAS-related GPR, member X1
SLC15A1	0,00046748	1,33209542	solute carrier family 15 (oligopeptide transporter), member 1
LOC100132781	0,03086186	1,3245989	cyclin Y-like 1 pseudogene
MIR3201	0,03550733	1,32251538	microRNA 3201
NOV	0,03681012	1,31873791	nephroblastoma overexpressed
MYH8	0,02901191	1,31650693	myosin, heavy chain 8, skeletal muscle, perinatal
MIR523	0,00261917	1,31519087	microRNA 523
LINC00841	0,00286886	1,3108561	long intergenic non-protein coding RNA 841
TOMM20L	0,0003556	1,3093606	translocase of outer mitochondrial membrane 20 homolog (yeast)-like
PRR29	0,00310369	1,30516836	proline rich 29
HAVCR1P1	0,04764594	-1,3022709	hepatitis A virus cellular receptor 1 pseudogene 1
BUB1	0,03401889	-1,305262	BUB1 mitotic checkpoint serine/threonine kinase

POLR3G	0,00724593	-1,3077108	polymerase (RNA) III (DNA directed) polypeptide G (32kD)
GSTA3	0,01108908	-1,3169463	glutathione S-transferase alpha 3
OR52B4	0,01880424	-1,3226039	olfactory receptor, family 52, subfamily B, member 4
MIR4308	0,00721187	-1,3301939	microRNA 4308
CCNE2	0,00687041	-1,3430922	cyclin E2
ADAMTS7	0,00170555	-1,3459929	ADAM metallopeptidase with thrombospondin type 1 motif, 7
LINC01146	0,00077437	-1,3516697	long intergenic non-protein coding RNA 1146
TNKS	0,04313061	-1,3523867	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase
MIR130B	0,0498077	-1,3524797	microRNA 130b
SNORD12C	0,02671416	-1,357668	small nucleolar RNA, C/D box 12C
TAPT1-AS1	0,01481401	-1,3628192	TAPT1 antisense RNA 1 (head to head)
GPR139	2,12E-05	-1,3763213	G protein-coupled receptor 139
OR2M1P	0,01444679	-1,3834148	olfactory receptor, family 2, subfamily M, member 1 pseudogene
CD99P1	0,03658546	-1,391496	CD99 molecule pseudogene 1
ANTXR1	0,02106583	-1,3973597	anthrax toxin receptor 1
MIR545	0,04325518	-1,3975958	microRNA 545
SNORD75	0,03014721	-1,4204792	small nucleolar RNA, C/D box 75
HIST2H3D	0,00490891	-1,4336476	histone cluster 2, H3d
TUBB4A	2,59E-05	-1,434088	tubulin, beta 4A class IVa
SNORA70B	0,02683601	-1,4438313	small nucleolar RNA, H/ACA box 70B
DDIT3	0,00026278	-1,4683294	DNA-damage-inducible transcript 3
HIST1H2BL	0,00704575	-1,4787993	histone cluster 1, H2bl
MIR4263	0,0234331	-1,4971114	microRNA 4263
TACC1	0,04009342	-1,562148	transforming, acidic coiled-coil containing protein 1
MIR3975	0,01988061	-1,5686144	microRNA 3975
MIR4499	0,00078196	-1,5810924	microRNA 4499
SNORD99	0,01060176	-1,6034008	small nucleolar RNA, C/D box 99
HIST1H2AJ	0,00672921	-1,8646805	histone cluster 1, H2aj